

AUDIO-VIDEO SURROUND RECEIVER

KRF-V4060D/V4060DE/V4060DE-S/V4060D-S

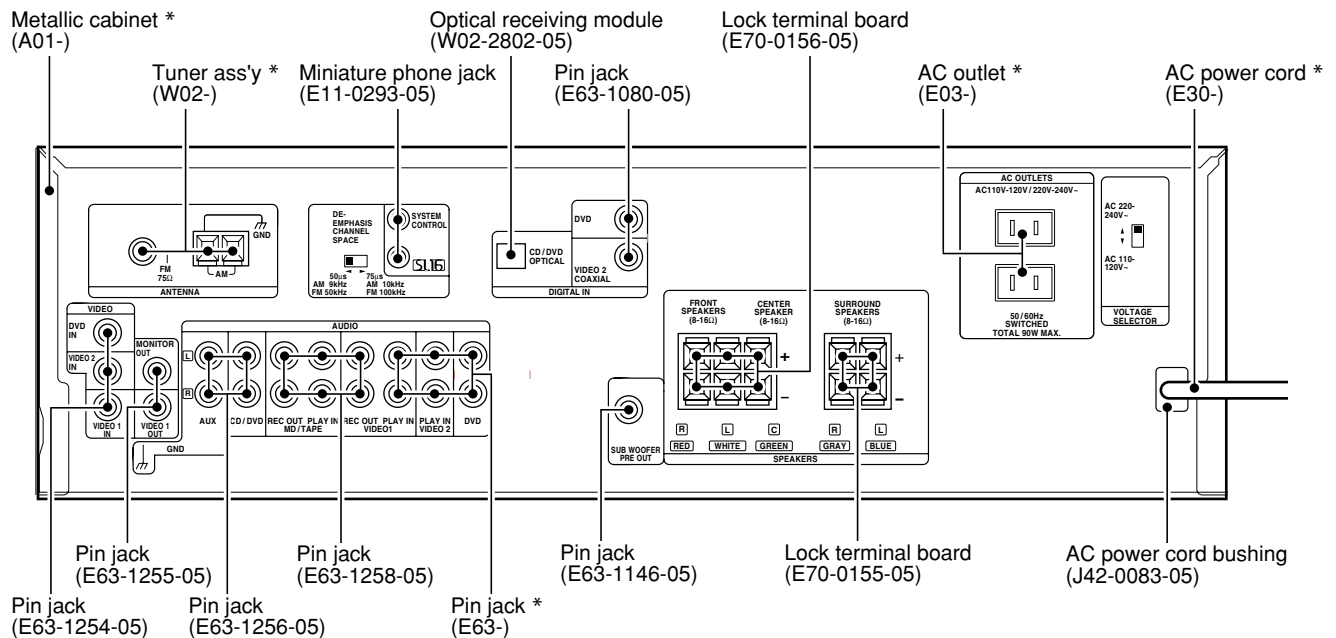
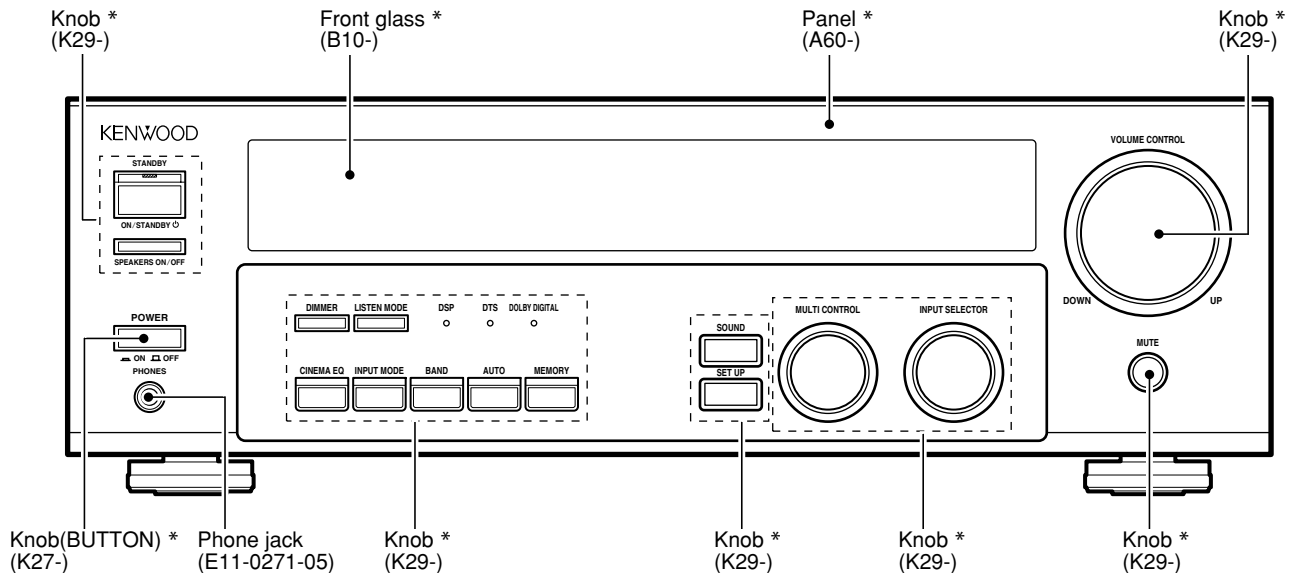
KRF-V5060D/V5060DE/V5060D-S/V5560D/V5560D-S

VR-605/615

SERVICE MANUAL

KENWOOD

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Illust. is KRF-V4060D.

* Refer to parts list on page 21.



KRF-V4060D/V5060D/V5560D/VR-605/615

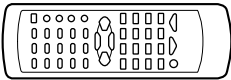
CONTENTS / ACCESSORIES / CAUTIONS

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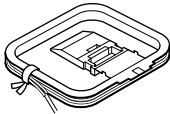
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Accessories


Remote control unit (1)
Refer to the table
on this page below.



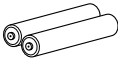
AM loop antenna (1)
(T90-0852-05)



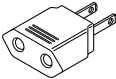
FM indoor antenna (1)
(T90-0877-05)



Batteries (R6/AA) (2)



AC Plug Adaptor (1)
(E03-0115-05)



Use to adapt the plug on the
power cord to the shape of the
wall outlet.
(Accessory only for regions where
use is necessary.)

REMOTE CONTROL vs MODEL

MODEL	PARTS #	REMOTE CONTROL #	DESTI-NATION
KRF-V4060D	A70-1566-05	RC-R0623	ET
KRF-V4060DE			E1
KRF-V4060DE-S			E2
KRF-V4060D-S	A70-1564-05	RC-R0621	MX
KRF-V4060D-S	A70-1566-05	RC-R0623	E3T1
KRF-V5060D	A70-1563-05	RC-R0620	Y
KRF-V5060D	A70-1565-05	RC-R0622	ET
KRF-V5060DE			E1

MODEL	PARTS #	REMOTE CONTROL #	DESTI-NATION
KRF-V5060D-S	A70-1563-05	RC-R0620	MX
KRF-V5060D-S	A70-1565-05	RC-R0622	E3T1
KRF-V5560D	A70-1564-05	RC-R0621	Y
KRF-V5560D	A70-1566-05	RC-R0623	E
KRF-V5560D-S	A70-1564-05	RC-R0621	MXH
KRF-V5560D-S	A70-1566-05	RC-R0623	E3T1
VR-605	A70-1564-05	RC-R0621	KP
VR-615	A70-1563-05	RC-R0620	KP

Cautions

Resetting the Microcomputer

The microcomputer may malfunction (unit cannot be operated, or shows an erroneous display) if the power cord is unplugged while the power is ON, or due to some other external factor. If this happens, execute the following procedure to reset the microcomputer and return the unit to its normal operating condition.

- Please note that resetting the microcomputer will clear the contents of the memory and return the unit to the state it was in when it left the factory

For the U.S.A. and Canada

Unplug the power cord from the wall outlet, then plug it back in while holding down the POWER key.

For other countries

With the power cord plugged in, turn the POWER key OFF. Then, while holding down the ON/STANDBY I/⏻ key, press POWER.

Memory back up function

Please note that the following items will be deleted from the unit's memory if the power cord is disconnected from the AC outlet for approximately 3 days.

- Power mode.
- Input selector settings.
- Picture output.
- Speaker ON/OFF.
- Volume level.
- BASS, TREBLE, INPUT level.
- Dimmer level.
- MD/TAPE settings.
- Listen mode setting.
- Speaker settings.
- SW RE-MIX ON/OFF.
- Distance setting.
- Input mode setting.
- Midnight mode setting.
- PRO LOGIC II mode setting.
- Broadcast band.
- Frequency setting.
- Preset stations.
- Tuning mode.
- CINEMA EQ ON/OFF.
- LOUDNESS ON/OFF.

KRF-V4060D/V5060D/V5560D/VR-605/615

CIRCUIT DESCRIPTION

1. Model & TUNER Destination

1-1 Model Discrimination

	DVD/6ch PHONO	DVD/6ch AUX	DVD AUX	F=80Hz	F=120Hz
Model TYPE 0(30Pin)	L	L	H	-	-
Model TYPE 1(35Pin)	L	H	L	-	-
CRS OVR CHK(80Pin)	-	-	-	L	H

1-2 TUNER Destination

Set TYPE	TYPE	BAND	Receiving Frequency Range	Channel Space	IF	PLL
K/P	K1	FM	87.50MHz~108.0MHz	100kHz	+10.7MHz	25kHz
		AM	530kHz~1700kHz	10kHz	+450kHz	10kHz
Y/M/I	K2	FM	87.50MHz~108.0MHz	100kHz	+10.7MHz	25kHz
		AM	530kHz~1610kHz	10kHz	+450kHz	10kHz
Y/M/V/X H	E1	FM	87.50MHz~108.0MHz	50kHz	+10.7MHz	25kHz
		AM	531kHz~1602kHz	9kHz	+450kHz	9kHz
E/T	E3 RDS	FM	87.50MHz~108.0MHz	50kHz	+10.7MHz	25kHz
		AM	531kHz~1602kHz	9kHz	+450kHz	9kHz
Y/M	M	K2/E1 are decided by Tuner destination port 1 input. (0 = K2 Type 1 = E1 Type)				

2. Tuner Preset Memory

P.ch	K1	K2	E1/E3	P.ch	K1	K2	E1/E3
1	FM 98.3M	FM 98.3M	FM 98.3M	21	AM 530K	AM 530K	AM 531K
2	FM 108.0M	FM 108.0M	FM 108.0M	22	FM 87.5M	FM 87.5M	FM 87.5M
3	FM 89.1M	FM 89.1M	FM 89.1M	23	FM 87.5M	FM 87.5M	FM 87.5M
4	FM 87.5M	FM 87.5M	FM 87.5M	24	FM 87.5M	FM 87.5M	FM 87.5M
5	FM 90.0M	FM 90.0M	FM 90.0M	25	FM 87.5M	FM 87.5M	FM 87.5M
6	FM 87.5M	FM 87.5M	FM 87.5M	26	FM 87.5M	FM 87.5M	FM 87.5M
7	FM 87.5M	FM 87.5M	FM 87.5M	27	FM 87.5M	FM 87.5M	FM 87.5M
8	AM 1610K	FM 87.5M	AM 1503K	28	FM 87.5M	FM 87.5M	FM 87.5M
9	AM 1700K	AM 1610K	AM 1584K	29	FM 87.5M	FM 87.5M	FM 87.5M
10	AM 1000K	AM 1000K	AM 954K	30	FM 106.0M	FM 106.0M	FM 106.0M
11	AM 630K	AM 630K	AM 621K	31	FM 87.5M	FM 87.5M	FM 87.5M
12	AM 1440K	AM 1440K	AM 1350K	32	FM 87.5M	FM 87.5M	FM 87.5M
13	FM 106.0M	FM 106.0M	FM 106.0M	33	FM 87.5M	FM 87.5M	FM 87.5M
14	AM 530K	AM 530K	AM 531K	34	FM 87.5M	FM 87.5M	FM 87.5M
15	FM 87.5M	FM 87.5M	FM 87.5M	35	FM 87.5M	FM 87.5M	FM 87.5M
16	FM 98.0M	FM 98.0M	FM 98.0M	36	FM 87.5M	FM 87.5M	FM 87.5M
17	FM 98.5M	FM 98.5M	FM 98.5M	37	FM 87.5M	FM 87.5M	FM 87.5M
18	FM 87.5M	FM 87.5M	FM 87.5M	38	FM 87.5M	FM 87.5M	FM 87.5M
19	AM 990K	AM 990K	AM 945K	39	FM 108.0M	FM 108.0M	FM 108.0M
20	FM 97.4M	FM 97.4M	FM 97.4M	40	AM 1000K	AM 1000K	AM 945K

3. Test Mode

3-1 Entering the Test Mode

- With the power cord plugged in, turn the POWER key OFF. Then while holding down the BAND key, press power key.

3-2 Cancelling the Test Mode

- Initialized and cancel the test mode if pulling out the power code.

3-3 Contents of the Test Mode

3-3-1 Pch Call UP/DOWN

Key	Function
DIMMER	Pch CALL UP →01→02→03→...→39→40→
LISTEN MODE	Pch CALL DOWN ←01←02←03←...←39←40←

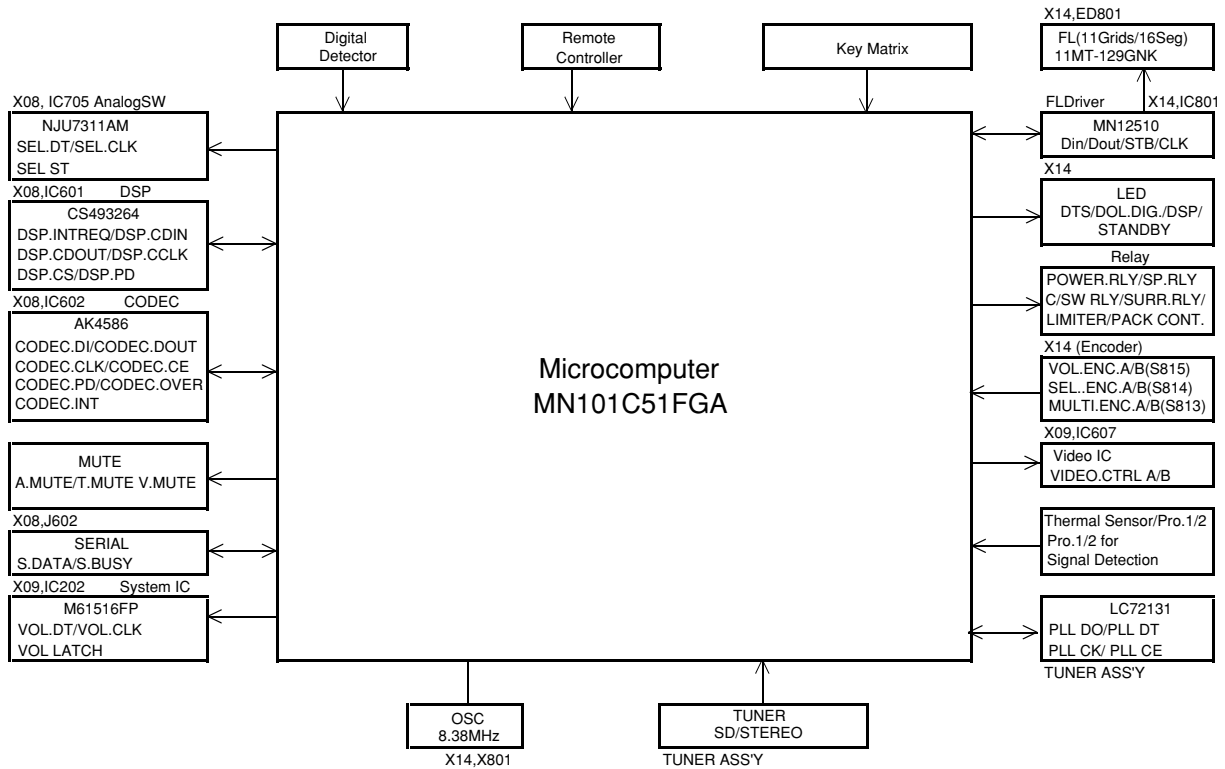
3-3-2 TUNER mute on/off

Key	Function
MUTE	TUNER mute on/off

CIRCUIT DESCRIPTION

4. Microcomputer : MN101C51FGA (X14,IC804)

4-1 Microcomputer Periphery Block Diagram



Key Matrix

	P34(30Pin)	P33(29Pin)	P32(28Pin)	P31(27Pin)
SEG1(32Pin)	AUTO	MEMORY	SOUND	-
SEG2(33Pin)	SET UP	MUTE	DIMMER	SPK ON/OFF
SEG3(34Pin)	CINEMA EQ	LISTEN	INPUT	-

4-2 Pin Description of Microcomputer : MN101C51FGA(X14,IC804)

Pin No.	Pin Name	I/O	Description
1	VREF-	-	Connected to ground.
2	TH SENS	I	Protection signal detection port for thermal sensor.
3	S DETECTOR1	I	Protection for signal detection 1.
4	S DETECTOR2	I	Protection for signal detection 2.
5	S LEVEL	I	Detection port for RDS signal level.
6	AD KEY GET	I	A/D key input.
7	AD TUNER DEST	I	Discrimination port for tuner destination.
8	PROT1	I	Protection signal detection port for over current.
9	PROT2	I	Protection signal detection port for over voltage.
10	VREF+	-	A/D reference voltage.
11	VDD	-	Power supply(+5V) for microcomputer.
12	OSC2	O	Main clock output(8.38MHz).
13	OSC1	I	Main clock input(8.38MHz).
14	VSS	-	Connected to ground.
15	XI	-	Connected to ground.
16	XO	-	Unused.
17	MMOD	-	Connected to ground.
18	DSP/CODEC DIN	O	Data output to DSP/CODEC.
19	DSP/CODEC DO	I	Data input port from DSP/CODEC.
20	DSP/CODEC CLK	O	Clock output to DSP/CODEC.
21	DSP CS	-	Chip select for DSP.
22	DSP PD	O	Power down mode port for DSP.
23	CODEC PD	O	Power down mode port for CDDEC.

CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O	Description
24	CODEC OVER	I	Overflow detection port for CODEC analog signal.
25	RESET	I	Reset signal input for microcomputer.
26	CODEC CSN	O	Chip select for CODEC.
27	RDS DATA	O	RDS signal data output.
28	S BUSY	I/O	Serial busy signal input/output.
29	S DATA	I/O	Serial data signal input/output.
30	MODEL TYPE0	I	Discrimination port for model type.
31	REMOCON	I	Signal input for remote controller.
32	CODEC INT	I	Detection port for digital signal error.
33	RDS CLK	I	Clock input for RDS demodulator IC.
34	DSP INTREQ	I	Detection port for DSP INTREQ.
35	MODEL TYPE1	I	Discrimination port for model type.
36	FL DIN	O	Data output to FL driver.
37	FL DOUT	I	Data input from FL driver.
38	FL CLK	O	Clock output to FL driver.
39	FL STB	O	Strobe output to FL driver.
40	PLL DATA	O	Data output to PLL IC.
41	PLL CLK	O	Clock output to PLL IC.
42,43	NC	-	Unused.
44	PLL CE	O	Chip enable output to PLL IC.
45	PLL DO	I	Data input from PLL IC.
46	T MUTE	O	Mute signal output to PLL IC.
47	STEREO	I	Stereo signal input from PLL IC.
48	PLL SD	I	SD signal input from PLL IC.
49	MULTI ENCA	I	Encoder (X14, S813) signal input.
50	MULTI ENCB	I	Encoder (X14, S813) signal input.
51	SEL ENCA	I	Encoder (X14,S814) signal input.
52	SEL ENCB	I	Encoder (X14,S814) signal input.
53	VOL. ENCA	I	Encoder (X14,S815) signal input.
54	VOL. ENCB	I	Encoder (X14,S815) signal input.
55	CH SPACE	I	Discrimination port for channel space.
56	SP RLY	O	Control port for speaker relay.
57	C/SW RELAY	O	Relay control for center and sub woofer speakers.
58	SURR.RLY	O	Relay control for surround speaker.
59	PWR RLY	O	Control port for power relay.
60	PACK CONT.	O	Power pack control.
61	V. MUTE	O	Mute control for video output.
62	LIMITER	O	Power control for A class.
63	A. MUTE	O	Mute control for audio output.
64	SEL DATA	O	Data output to analog switch IC(X08,IC705).
65	SEL. CLK	O	Clock output to analog switch IC(X08,IC705).
66	SEL. STB	O	Strobe output to analog switch IC(X08,IC705).
67	VIDEO CTRLA	O	Video switch control.
68	VIDEO CTRLB	O	Video switch control.
69	-6 ATT	O	-6dB attenuator control.
70	VOL. DATA	O	Data output to system IC (X09,IC202).
71	VOL. CLK	O	Clock output to system IC (X09,IC202).
72	VOL. LATCH	O	Latch output to system IC (X09,IC202).
73	STANDBY LED	O	Control port for STANDBY LED(X14,D808).
74	DTS LED	O	Control port for DTS LED(X14,D807).
75	DOL DIG LED	O	Control port for DOLBY DIG LED(X14,D806).
76	DSP LED	O	Control port for DSP LED(X14,D805).
77	CE2	I	Detection port of chip enable 2 for microcomputer.
78	CE1	I	Detection port of chip enable 1 for microcomputer.
79	DEGITAL DET	I	Detection port for digital signal.
80	CRS OVR CHK	I	Selection of cut-off frequency for HPF/LPF. L : 80Hz H : 120Hz

CIRCUIT DESCRIPTION

5. Pin Description of ICs.

5-1 CODEC : AK4586(X08, IC602)

Pin No.	Pin Name	I/O	Description
1	XTO	-	Unused.
2	XTI/EXTCLK	I	External clock input (12.268MHz).
3	DVDD	-	Digital power supply (+5.0V).
4	DVSS	-	Digital GND.
5	TVDD	-	Power supply for buffer (+3.3V).
6	TX	-	Unused.
7	MCKO	O	Master clock pin.
8	LRCK	I	Clock input pin.
9	BICK	I	Bit clock pin for audio serial data.
10	SDTO	O	Output pin for audio serial data.
11~13	SDTI (1~3)	I	Input pin of audio serial data for DAC.
14	INT0	O	Output pin for digital signal error.
15	INT1	-	Unused.
16	CAD1/CDTO	I	Control data input.
17	SDACDTI	I	Control data input.
18	SCL/CCLK	I	Clock input.
19	CAD0/CSN	I	Chip select.
20	DZF2/OVR	O	Overflow detection port for CODEC analog signal.
21	AVSS	-	Analog GND.
22	AVDD	-	Analog power supply (+5.0V).
23	VREFH	I	Reference voltage input.
24	VCOM	O	Output pin for common voltage.
25	DZF1	-	Zero input detection 1 pin (Unused).
26	C OUT	O	DAC Center channel output.
27	SW OUT	O	DAC SW channel output.
28	SL OUT	O	DAC SL channel output.
29	SR OUT	O	DAC SR channel output.
30	FL OUT	O	DAC FL channel output.
31	FR OUT	O	DAC FR channel output.
32	LIN	I	L channel analog (+) input.
33	RIN	I	R channel analog (+) input.
34	PVDD	-	Power supply (+5.0V).
35	R	-	Unused.
36	PVSS	-	GND
37	RX4	I	Unused.
38	SLAVE	-	GND
39	RX3	I	Optical input.
40	TST	-	Clock select 2 pin (GND).
41	RX2	I	VIDEO2 (COAX IN) input.
42	I2C	I	Control select pin (Unused) .
43	RX1	I	DVD (COAX IN) input.
44	PDN	I	CODEC power down.

CIRCUIT DESCRIPTION

5-2 FL Driver : MN12510 (X14, IC801)

Pin No.	Pin Name	I/O	Description
1	P21,P20	O	Segment 1,2 output.
3	P03	O	Unused.
4~6	P02~P00	O	Grid (1~3) output.
7~10	DGT(7~4)	O	Grid (4~7) output.
11	NC	-	Unused.
12~15	DGT(3~0)	O	Grid (8~10) output.
16	VPP	-	Power supply (-30V).
17	NC	-	Unused.
18	VDD	-	Power supply (+5V).
19	OSC1	-	Crystal (4MHz) connection port.
20	OSC2	-	Crystal (4MHz) connection port.
21	VSS	-	GND
22	NCS	I	Strobe input.
23	SCK	I	Clock input.
24	SDI	I	Data input.
25	SDO	O	Data output.
26	P30	-	Unused.
27~30	P(31~34)	I	Key return signal input.
31	SEG0	O	Segment (S16) output.
32	SEG1	O	Segment (S15)/key scan output.
33	SEG2	O	Segment (S14)/key scan output.
34	SEG3	O	Segment (S13)/key scan output.
35~38	SEG(4~7)	O	Segment (S12~S9) output.
39~42	P(10~13)	O	Segment (S8~S5) output.
43,44	P23,P24	O	Segment (S4,S3) output.

5-3 Power Amplifier

5-3-1 Front/Center Amp : STK443(X09,IC301) KRF-V4060D/V5060D/VR-605

Pin No.	Pin Name	Description
1	+VCC	Connection port for power supply (+B).
2	-VCC	Connection port for power supply (-B).
3	SUB GND	GND
4	+RE/CH1	FR ch (+) output.
5	-RE/CH1	FR ch (-) output.
6	-RE/CH2	FL ch (-) output.
7	+RE/CH2	FL ch (+) output.
8	-PRE	Connection port for pre power supply (-B).
9	+PRE	Connection port for pre power supply (+B).
10	IN/CH1	FR ch input.
11	NF/CH1	FR ch feedback.
12	BIAS	Bias connection port.
13	NF/CH2	FL ch feedback.
14	IN/CH2	FL ch input.
15	IN/CH3	Center ch input.
16	NF/CH3	Center ch feedback.
17	+RE/CH3	Center ch (+) output.
18	-RE/CH3	Center ch (-) output.

CIRCUIT DESCRIPTION

5-3-2 Surround Amp : STK442(X09,IC401) KRF-V4060D/V5060D/VR-605

Pin No.	Pin Name	Description
1	+VCC	Connection port for power supply (+B).
2	-VCC	Connection port for power supply (-B).
3	SUB GND	GND
4	+RE/CH1	Surround R ch (+) output.
5	-RE/CH1	Surround R ch (-) output.
6	-RE/CH2	Surround L ch (-) output.
7	+RE/CH2	Surround L ch (+) output.
8	-PRE	Connection port for pre power supply (-B).
9	+PRE	Connection port for pre power supply (+B).
10	IN/CH1	Surround Rch input.
11	NF/CH1	Surround R ch feedback.
12	BIAS	Bias connection port.
13	NF/CH2	Surround L ch feedback.
14	IN/CH2	Surround Lch input.

5-3-3 Front/Center Amp : STK413(X09,IC301) KRF-V5560D/VR-615

Pin No.	Pin Name	Description
1	+VH	Connection port for high power supply (+B).
2	+VL	Connection port for low power supply (+B).
3	+REF	Connection port for reference voltage (+B).
4	-REF	Connection port for reference voltage (-B).
5	-VL	Connection port for low power supply (-B).
6	-VH	Connection port for high power supply (-B).
7	SUB GND	GND
8	+RE/CH1	FR ch (+) output.
9	-RE/CH1	FR ch (-) output.
10	-RE/CH2	FL ch (-) output.
11	+RE/CH2	FL ch (+) output.
12	-PRE	Connection port for pre power supply (-B).
13	+PRE	Connection port for pre power supply (+B).
14	IN/CH1	FR ch input.
15	NF/CH1	FR ch feedback.
16	BIAS	Bias connection port.
17	NF/CH2	FL ch feedback.
18	IN/CH2	FL ch input.
19	IN/CH3	Center ch input.
20	NF/CH3	Center ch feedback.
21	+RE/CH3	Center ch (+) output.
22	-RE/CH3	Center ch (-) output.

5-3-4 Surround/S.W Amp : STK413(X09,IC401) KRF-V5560D/VR-615

Pin No.	Pin Name	Description
1	+VH	Connection port for high power supply (+B).
2	+VL	Connection port for low power supply (+B).
3	+REF	Connection port for reference voltage (+B).
4	-REF	Connection port for reference voltage (-B).
5	-VL	Connection port for low power supply (-B).
6	-VH	Connection port for high power supply (-B).
7	SUB GND	GND
8	+RE/CH1	Surround R ch (+) output.
9	-RE/CH1	Surround R ch (-) output.
10	-RE/CH2	Surround L ch (-) output.
11	+RE/CH2	Surround L ch (+) output.
12	-PRE	Connection port for pre power supply (-B).
13	+PRE	Connection port for pre power supply (+B).

CIRCUIT DESCRIPTION

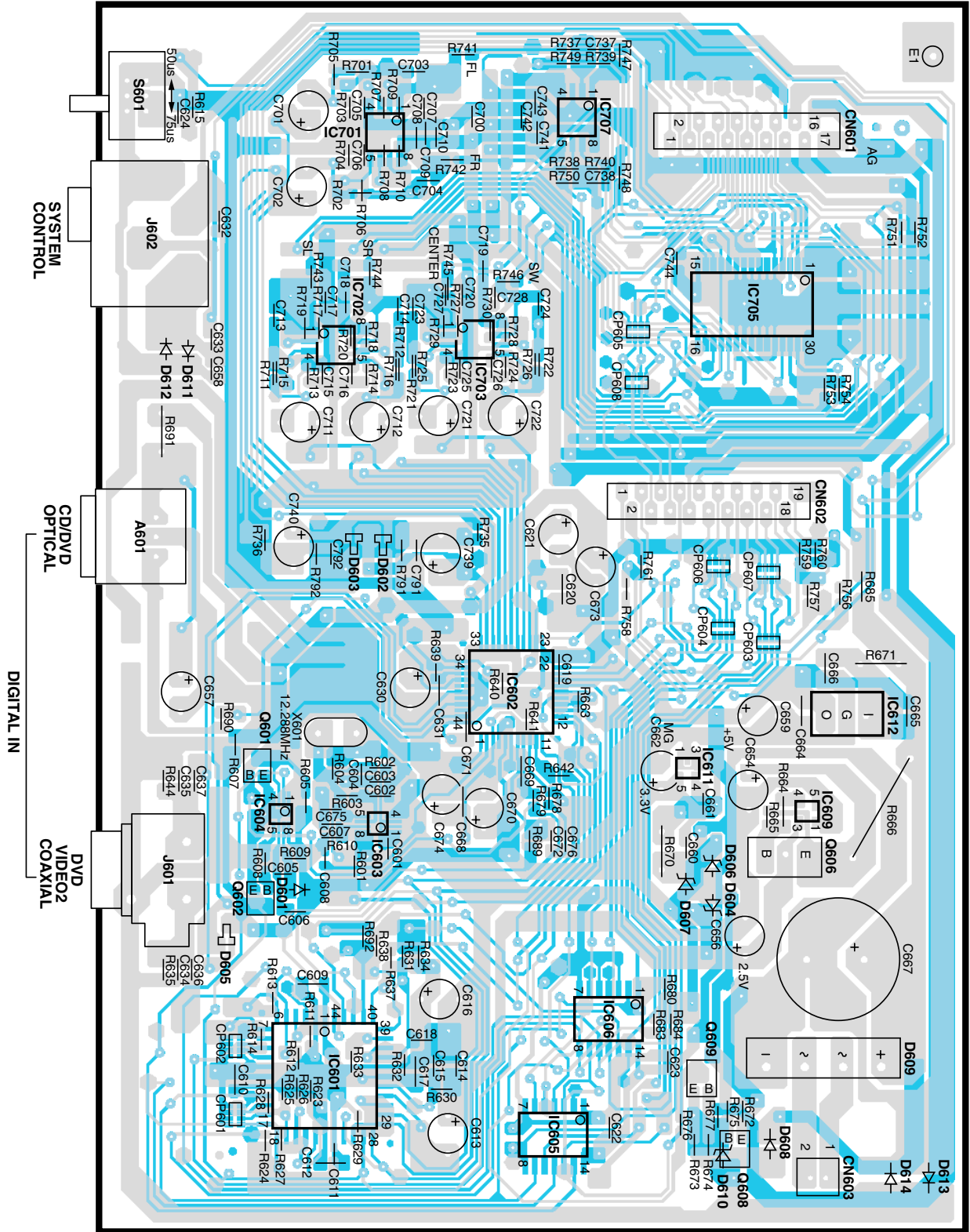
Pin No.	Pin Name	Description
14	IN/CH1	Surround R ch input.
15	NF/CH1	Surround R ch feedback.
16	BIAS	Bias connection port.
17	NF/CH2	Surround L ch feedback.
18	IN/CH2	Surround L ch input.
19	IN/CH3	Surround ch input.
20	NF/CH3	Surround ch feedback.
21	+RE/CH3	Surround ch (+) output.
22	-RE/CH3	Surround ch (-) output.

5-4 Digital Audio Decoder: CS493264(X08,IC601)

Pin No.	Pin Name	I/O	Description
1,12,23	VD(1~3)	-	Digital power supply (+3.3V).
2,13,24	DGND(1~3)	-	Digital GND.
3	XMT958	0	SPDIF transmitter output (Open).
4	WR GP1010	I/O	Host write strobe.
5	RD EMOE	I/O	Read/write enable.
6	SCDIN	1	SPI serial control data.
7	SCCLK	I	Serial control clock.
8~11 14~17	EMA(D7~D0)	I/O	Data bit (7~0).
18	CS	I	Chip select.
19	SCDI0	I/O	Serial control data input/output.
20	INTREQ ABOUT	I/O	Control port interrupt request/automatic boot enable.
21	EXTMEM	I/O	External memory chip select.
22	SDATAN	I	PCM audio data input.
25	SCLKN	I/O	PCM audio input bit clock.
26	SLRCLKN	I/O	PCM audio input sample rate clock.
27	CMPDAT	I	PCM audio data input2.
28	CMPCLK	I/O	PCM audio input bit clock.
29	CMPREQ	I/O	PCM audio input sample rate clock.
30	CLKIN	I	Master clock input.
31	CLKSEL	I	DSP clock select.
32	FLT2	-	Phase lock loop filter.
33	FLT1	-	Phase lock loop filter.
34	VA	-	Analog power supply (+3.3V).
35	AGND	-	Analog GND.
36	RESET	I	Master reset port.
37	DD	I/O	Pull-up port.
38	DC	I	Pull-up port.
39~41	AUDAT(2~0)	O	Digital audio output (2~0).
42	LRCLK	I/O	Audio output sample rate clock.
43	SCLK	I/O	Audio output bit clock.
44	MCLK	I/O	Audio master clock.

PC BOARD (Component side view)

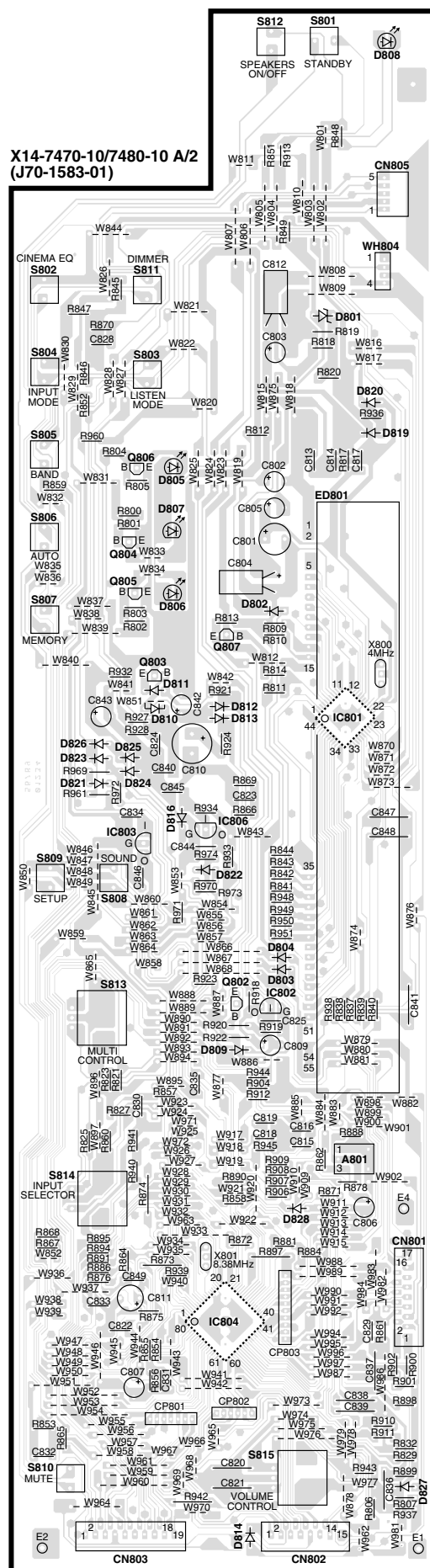
X08-3160-10/3180-10 (J70-1581-01)



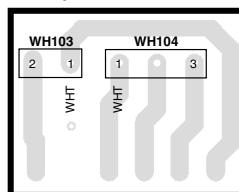
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD (Component side view)

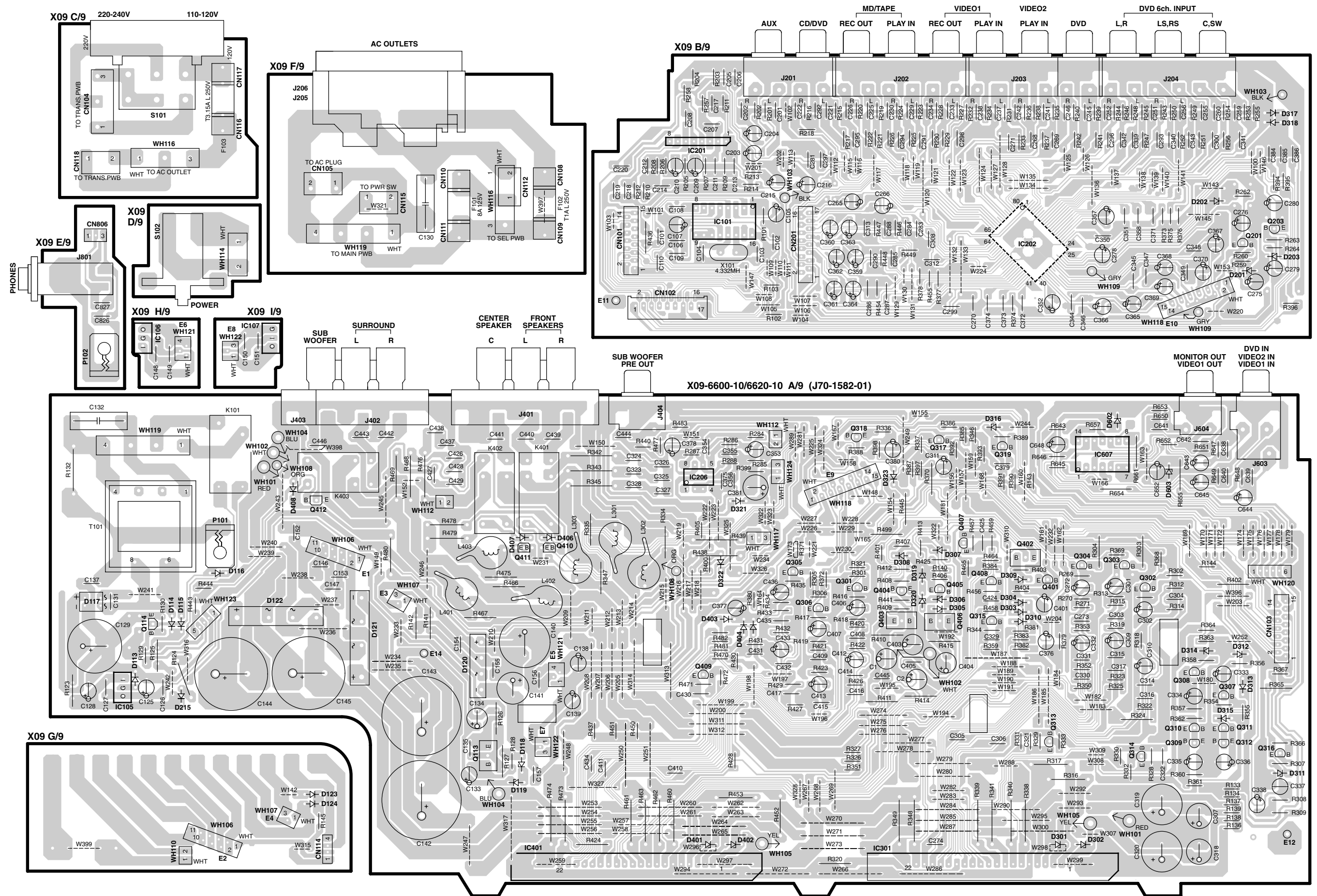
X14-7470-10/7480-10 A/2
(J70-1583-01)



X14 B/2



PC BOARD (Component side view)



Refer to the schematic diagram for the value of resistors and capacitors.

DESTINATION		UNIT
COUNTRY	ABB.	No.
EUROPE	E1	0-10

KRF-4060DE-S (X08-3160-10)

DESTINATION		UNIT
COUNTRY	ABB.	No.
EUROPE	E2	0-10

DESTINATION			UNIT
COUNTRY	ABB.		No.
U.S.A.	K		0-10
CANADA	P		

KRF-V5060D (X08-3160-XX)

DESTINATION			UNIT
COUNTRY	ABB.		No.
EUROPE	E		0-10
U.K.	T		
PX	Y		0-21

KRF-V5060D-S (X08-3160-XX)

DESTINATION		UNIT
COUNTRY	ABB.	No.
EUROPE	E3	0-10
U.K.	T1	
AUSTRALIA	X	
GENERAL MARKET	M	0-21

KRF-V5060DE (X08-3160-10)

DESTINATION		UNIT
COUNTRY	ABB.	No.
EUROPE	E1	0-10

VR-615 (X08-3160-10)		
DESTINATION		UNIT
COUNTRY	ABB.	No.
U.S.A.	K	0-10
CANADA	P	

KRF-V5560D (X08-3160-XX)		
DESTINATION		UNIT
COUNTRY	ABB.	No.
EUROPE	E	0-10
PX	Y	0-21

KRF-V5560D-S (X08-3160-XX)		
DESTINATION		UNIT
COUNTRY	ABB.	No.
EUROPE	E3	0-10
U.K.	T1	
AUSTRALIA	X	
KOREA	H	
GENERAL MARKET	M	0-21

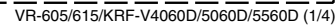
IC601 : CS493264-CLR
IC602 : AK4586
IC603 : TC7WU04FU
IC604 : TC7WH123FU
IC605 : TC74HCT7007AF
IC606 : TC74HC07AF

IC609 : XC62EP2502MR
IC611 : BA033LBSG
IC612 : BA05T
IC701-703,707
 : NJM4565MD
IC705 : NJU7311AM

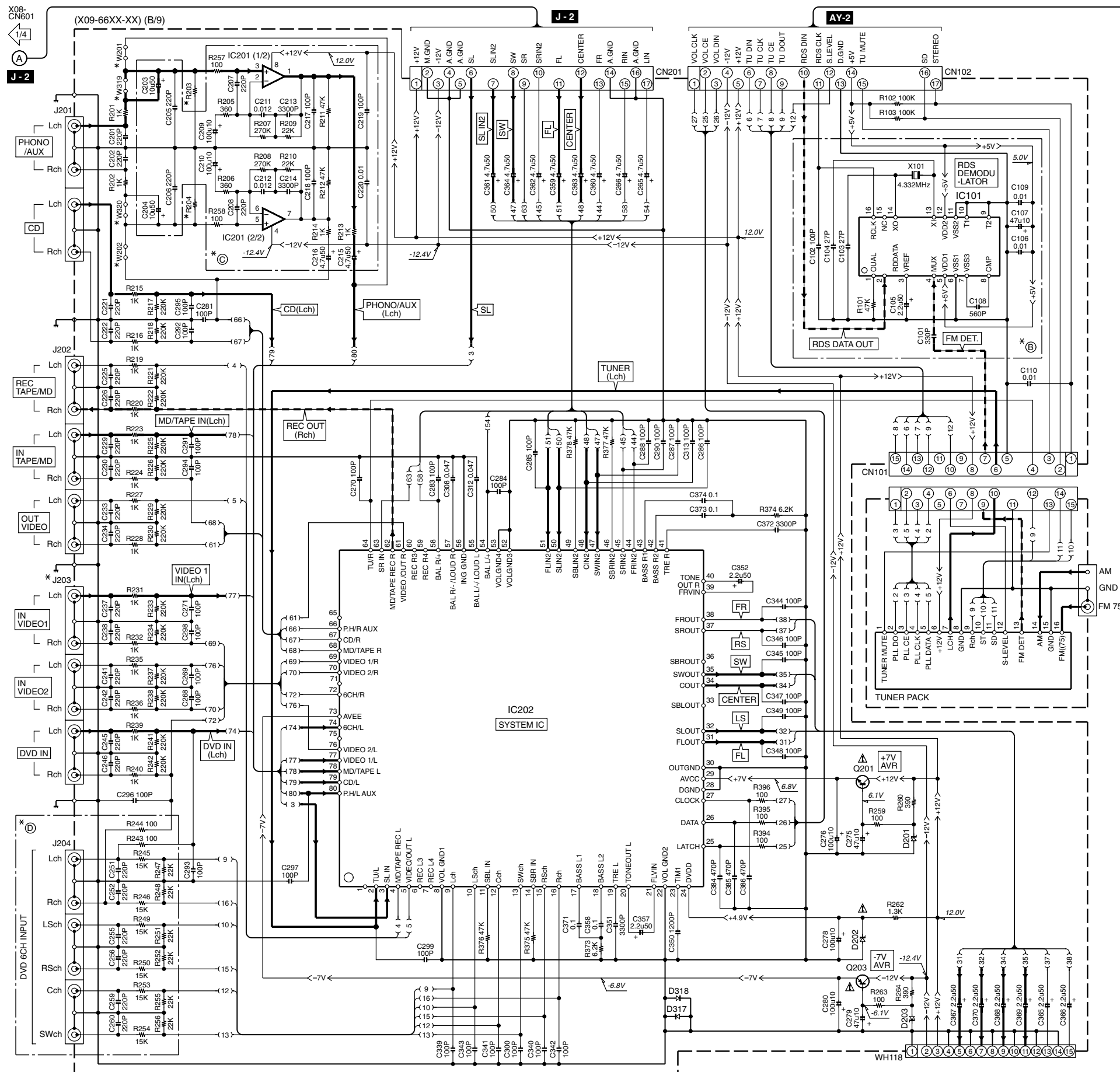
Q601,602 : DTC124EUA or
UN5212
Q606 : 2SB1375
Q608 : 2SC4081(R,S) or
2SD1819A(Q,R)
Q609 : 2SA1576A(R,S) or
2SB1218A(Q,R)

D601,608,611-614
: MA111
D602,605 : 1SS301 or
DAN202U or
MA142WK
D603 : 1SS300 or
DAP202U or
MA142WA

0604 : UDZ3.9B or
HZU3.9(B2)
0606,607 : UDZ5.6B or
HZU5.6(B2)
0609 : D2SBA20F03
0610 : UDZ5.1B or
HZU5.1(B2)



1



KRF-V4060D (X09-660X-XX)

DESTINATION	COUNTRY	ABB.	UNIT No.	UNIT	B	C	D	J203	R203, 204	W201, 202, 319, 320
EUROPE	E	2-72	YES	NO	YES	NO	NO	E63-1258-05	47K	YES
U.K.	T	0-52								

KRF-V4060D-S (X09-660X-XX)

DESTINATION	COUNTRY	ABB.	UNIT No.	UNIT	B	C	D	J203	R203, 204	W201, 202, 319, 320
EUROPE	E3	2-72	YES	NO	YES	NO	NO	E63-1258-05	47K	YES
U.K.	T1	0-52								
AUSTRALIA	X	0-72								
GENERAL MARKET	M	0-22								

KRF-V4060DE (X09-6602-72)

DESTINATION	COUNTRY	ABB.	UNIT No.	UNIT	B	C	D	J203	R203, 204	W201, 202, 319, 320
EUROPE	E1	2-72	YES	NO	YES	NO	NO	E63-1258-05	47K	YES

KRF-V4060DE-S (X09-6602-72)

DESTINATION	COUNTRY	ABB.	UNIT No.	UNIT	B	C	D	J203	R203, 204	W201, 202, 319, 320
EUROPE	E2	2-72	YES	NO	YES	NO	NO	E63-1258-05	47K	YES

VR-605 (X09-6600-10)

DESTINATION	COUNTRY	ABB.	UNIT No.	UNIT	B	C	D	J203	R203, 204	W201, 202, 319, 320
U.S.A.	K	0-10	NO	NO	YES	YES	YES	E63-1258-05	47K	YES
CANADA	P									

KRF-V5060D (X09-660X-XX)

DESTINATION	COUNTRY	ABB.	UNIT No.	UNIT	B	C	D	J203	R203, 204	W201, 202, 319, 320
EUROPE	E	2-71	YES	YES	YES	YES	YES	E63-1256-05	30K	NO
U.K.	T	0-51								
AUSTRALIA	X	0-71								
GENERAL MARKET	M	0-21								

KRF-V5060D-S (X09-660X-XX)

DESTINATION	COUNTRY	ABB.	UNIT No.	UNIT	B	C	D	J203	R203, 204	W201, 202, 319, 320
EUROPE	E3	2-71	YES	YES	YES	YES	YES	E63-1256-05	30K	NO
U.K.	T1	0-51								
AUSTRALIA	X	0-71								
GENERAL MARKET	M	0-21								

KRF-V5060DE (X09-6602-71)

DESTINATION	COUNTRY	ABB.	UNIT No.	UNIT	B	C	D	J203	R203, 204	W201, 202, 319, 320
EUROPE	E1	2-71	YES	YES	YES	YES	YES	E63-1256-05	30K	NO

VR-615 (X09-6610-10)

DESTINATION	COUNTRY	ABB.	UNIT No.	UNIT	B	C	D	J203	R203, 204	W201, 202, 319, 320
U.S.A.	K	0-10	NO	YES	YES	YES	YES	E63-1256-05	47K	YES
CANADA	P									

KRF-V5560D (X09-6612-XX)

DESTINATION	COUNTRY	ABB.	UNIT No.	UNIT	B	C	D	J203	R203, 204	W201, 202, 319, 320
EUROPE	E	2-71	YES	NO	YES	NO	NO	E63-1258-05	47K	YES
PX	Y	2-91								

KRF-V5560D-S (X09-661X-XX)

DESTINATION	COUNTRY	ABB.	UNIT No.	UNIT	B	C	D	J203	R203, 204	W201, 202, 319, 320
EUROPE	E3	2-71	YES	NO	YES	NO	NO	E63-1258-05	47K	YES
U.K.	T1	0-51								
AUSTRALIA	X	0-71								
KOREA	H	4-11								
GENERAL MARKET	M	0-21								

- IC101 : BU1923
 IC201 : NJM4580L-D
 IC202 : M61516FP
 Q201 : 2SC1845(F,E)
 Q203 : 2SA992(F,E)
 D201,203 : MTZJ6.8(B) or HZS6.8N(B2)
 D202 : MTZJ5.1(B) or HZS5.1N(B2)
 D317,318 : 1SS133 or HSS104A

--- DIGITAL LINE
 --- SIGNAL LINE
 --- GND LINE
 --- +B LINE
 --- -B LINE

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1kHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)kHz	400Hz	MONO 30% MOD	60dB

The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in () is actual reading measured in the AM mode.

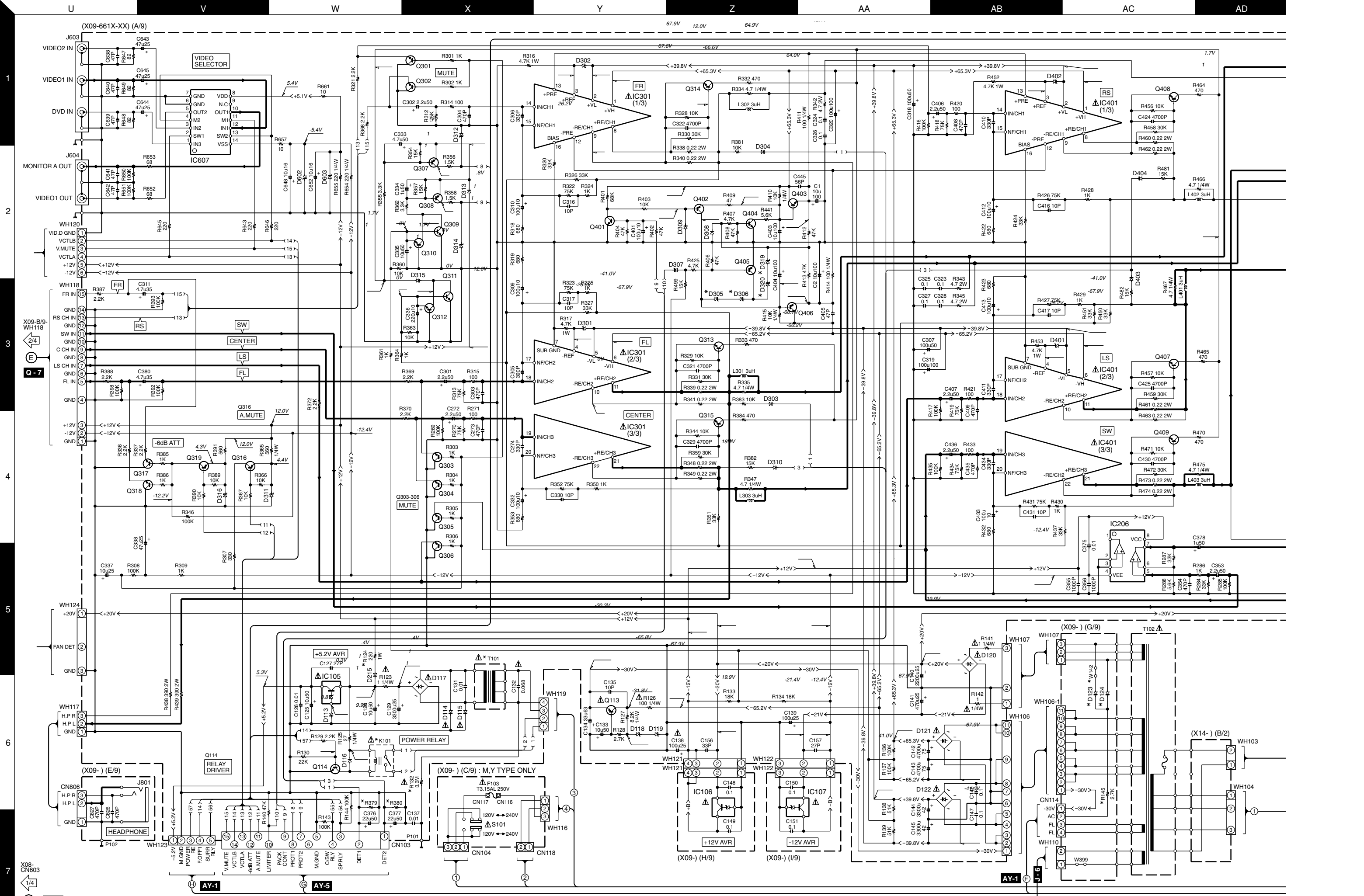
U-3
AJ-3

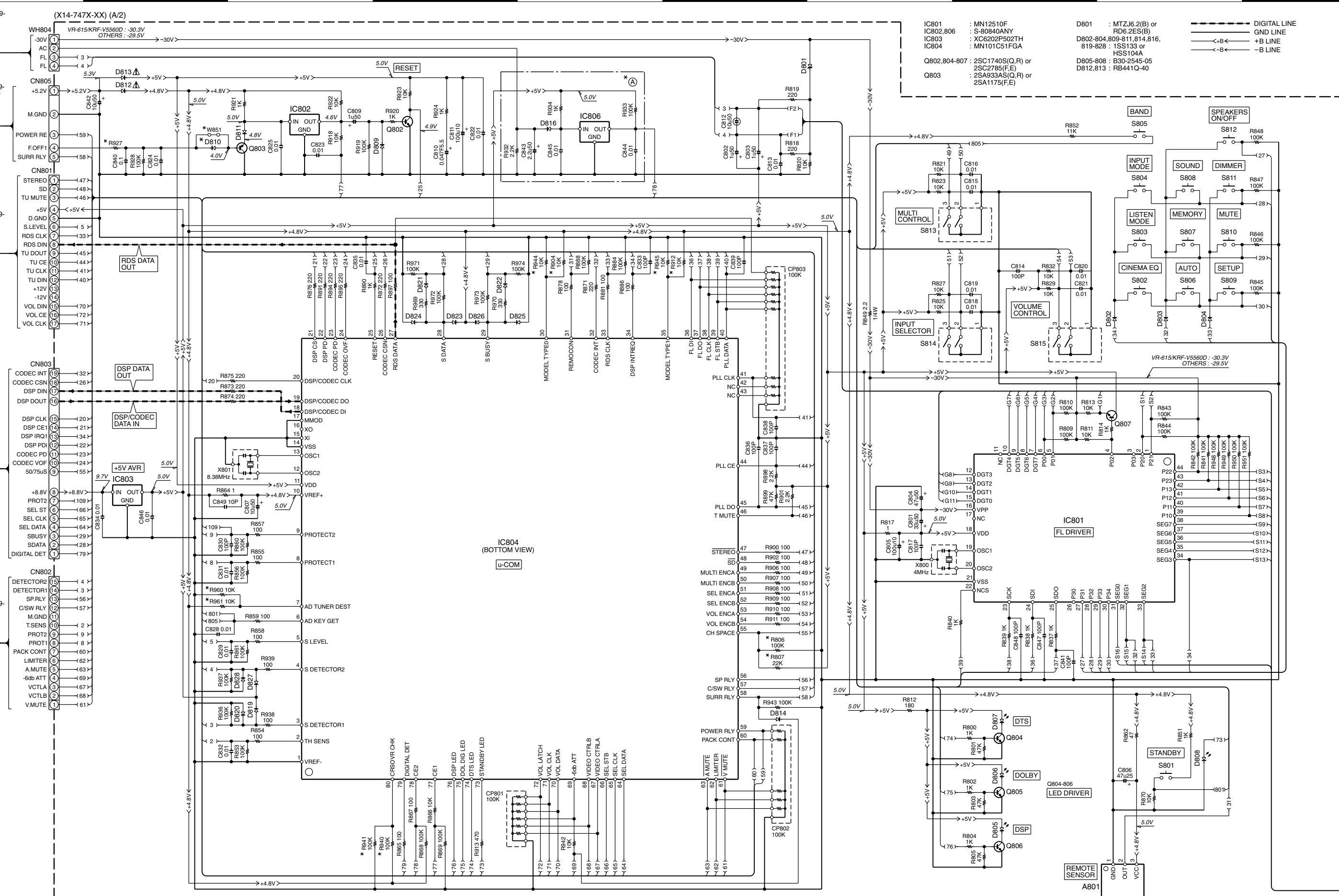
VR-605/615/KRF-V4060D/5060D/5560D (2/4)

KRF-V4060D/V5060D/V5560D/VR-605/615

KENWOOD

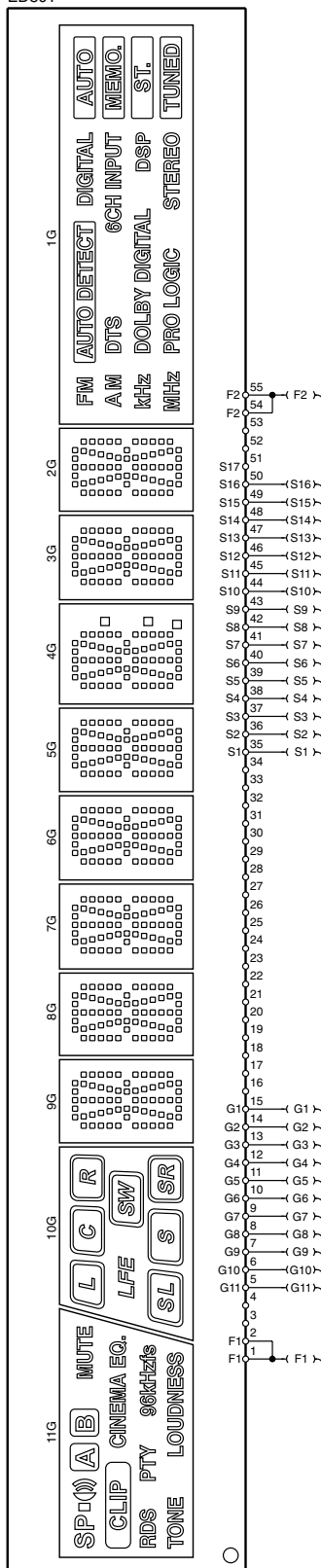
Y05-4530-10





(X14-747X-XX) (A/2)

ED801



VR-605/615/KRF-V4060D/5060D/5560D (4/4)

KRF-V4060D (X14-7472-73)

DESTINATION	UNIT	ABB.	No.	(A)	D810	R806, 904, 941, 945, 961	R807, 866, 912, 940, 944, 960	R927	W851
COUNTRY									
EUROPE	E		2-73	NO	NO	YES	NO	160K	YES
U.K.	T								

KRF-V4060D-S (X14-747X-XX)

DESTINATION	UNIT	ABB.	No.	(A)	D810	R806, 904, 941, 945, 961	R807, 866, 912, 940, 944, 960	R927	W851
COUNTRY									
GENERAL MARKET	M	0-23	YES	YES	NO	YES		62K 180K	YES NO
AUSTRALIA	X	0-73							
EUROPE	E3	2-73	NO	NO	YES	NO		160K	NO YES
U.K.	T1								

KRF-V4060DE (X14-7472-73)

DESTINATION	UNIT	ABB.	No.	(A)	D810	R806, 904, 941, 945, 961	R807, 866, 912, 940, 944, 960	R927	W851
COUNTRY									
EUROPE	E1	2-73	NO	NO	YES	NO		160K	YES

KRF-V4060DE-S (X14-7472-73)

DESTINATION	UNIT	ABB.	No.	(A)	D810	R806, 904, 941, 945, 961	R807, 866, 912, 940, 944, 960	R927	W851
COUNTRY									
EUROPE	E2	2-73	NO	NO	YES	NO		160K	YES

VR605 (X14-7470-10)

DESTINATION	UNIT	ABB.	No.	(A)	D810	R806, 904, 941, 945, 961	R807, 866, 912, 940, 944, 960	R927	W851
COUNTRY									
U.S.A	K	0-10	NO	YES	YES	NO		56K	NO
CANADA	P								

KRF-V5060D (X14-747X-XX)

DESTINATION	UNIT	ABB.	No.	(A)	D810	R806, 904, 941, 945, 961	R807, 866, 912, 940, 944, 960	R927	W851
COUNTRY									
PX	Y	0-21	YES	YES	NO	YES		62K	NO
EUROPE	E	2-71	NO	NO	YES	NO		160K	YES
U.K.	T								

KRF-V5060D-S (X14-747X-XX)

DESTINATION	UNIT	ABB.	No.	(A)	D810	R806, 904, 941, 945, 961	R807, 866, 912, 940, 944, 960	R927	W851
COUNTRY									
GENERAL MARKET	M	0-21	YES	YES	NO	YES		62K 180K	NO
AUSTRALIA	X	0-71							
EUROPE	E1	2-71	NO	NO	YES	NO		160K	YES
U.K.	T3								

KRF-V5060DE (X14-7472-71)

DESTINATION	UNIT	ABB.	No.	(A)	D810	R806, 904, 941, 945, 961	R807, 866, 912, 940, 944, 960	R927	W851
COUNTRY									
EUROPE	E1	2-71	NO	NO	YES	NO		160K	YES

VR-615 (X14-7470-11)

DESTINATION	UNIT	ABB.	No.	(A)	D810	R806, 912, 940, 944, 960	R807, 866, 904, 941, 945, 961	R927	W851
COUNTRY									
U.S.A	K	0-11	NO	YES	YES	NO		56K	NO
CANADA	P								

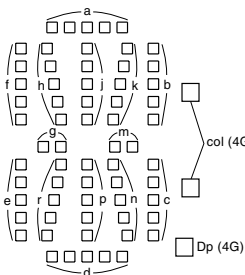
KRF-V5560D (X14-747X-XX)

DESTINATION	UNIT	ABB.	No.	(A)	D810	R806, 904, 941, 945, 961	R807, 866, 912, 940, 944, 960	R927	W851
COUNTRY									
PX	Y	0-22	YES	YES	NO	YES		62K	NO
EUROPE	E	2-72	NO	NO	YES	NO		160K	YES

KRF-V5560D-S (X14-747X-XX)

DESTINATION	UNIT	ABB.	No.	(A)	D810	R806, 904, 941, 945, 961	R807, 866, 912, 940, 944, 960	R927	W851
COUNTRY									
GENERAL MARKET	M	0-22	YES	YES	NO	YES		62K 180K	YES NO
AUSTRALIA	X	0-72							
EUROPE	E3	2-72	NO	NO	YES	NO		160K	NO YES
U.K.	T1								
KOREA	H								

	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	SPD(1)	L	a	a	a	a	a	a	a	a	FM
P2	(A)	C	j	j	j	j	j	j	j	j	AM
P3	(B)	R	h	h	h	h	h	h	h	h	MHz
P4	MUTE	SL	k	k	k	k	k	k	k	k	kHz
P5	CLIP	S	b	b	b	b	b	b	b	b	AUTO
P6	CINEMA EQ.	SR	f	f	f	f	f	f	f	f	MEMO
P7	-	LFE	g	g	g	g	g	g	g	g	ST
P8	-	SW	m	m	m	m	m	m	m	m	TUNED
P9	RDS	(L)	c	c	c	c	c	c	c	c	AUTO DETECT
P10	PTY	(C)	e	e	e	e	e	e	e	e	DTS
P11	96kHz	(R)	r	r	r	r	r	r	r	r	DOLBY DIGITAL
P12	TOPE	(SL)	n	n	n	n	n	n	n	n	PRO LOGIC
P13	LOUDNESS	(S)	p	p	p	p	p	p	p	p	DIGITAL
P14	-	(SR)	d	d	d	d	d	d	d	d	6CH INPUT
P15	-	(SW)	-	-	-	-	-	-	-	-	DSP
P16	-	-	-	-	-	-	-	-	-	-	STEREO



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

* New Parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

①

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
KRF-V4060D						
601	1A		A01-3844-01	METALLIC CABINET	EE1T	
601	1A		A01-3848-01	METALLIC CABINET	E2E3M	
601	1A		A01-3848-01	METALLIC CABINET	XT1	
602	2B		A09-1178-08	BATTERY COVER		
604	2B		A60-2190-11	PANEL	EE1T	
604	2B		A60-2191-11	PANEL	E2E3M	
604	2B		A60-2191-11	PANEL	XT1	
605	1A		A70-1564-05	REMOTE CONTROLLER ASSY	MX	
605	1A		A70-1566-05	REMOTE CONTROLLER ASSY	EE1E2	
605	1A		A70-1566-05	REMOTE CONTROLLER ASSY	E3TT1	
610	2B		B07-2606-03	ESCUTCHEON	EE1T	
610	2B		B07-2607-03	ESCUTCHEON	E2E3M	
610	2B		B07-2607-03	ESCUTCHEON	XT1	
611	2A		B07-2610-01	ESCUTCHEON	EE1T	
611	2A		B07-2611-01	ESCUTCHEON	E2E3M	
611	2A		B07-2611-01	ESCUTCHEON	XT1	
612	2A	*	B10-3813-02	FRONT GLASS	MX	
612	2A	*	B10-3814-02	FRONT GLASS	EE1E2	
612	2A	*	B10-3814-02	FRONT GLASS	E3TT1	
613	2A		B11-1547-03	COLOR FILTER		
614	2A		B12-0448-04	INDICATOR		
615	2A		B12-0465-04	INDICATOR		
616	2A		B43-0314-04	KENWOOD BADGE		
-			B46-0096-53	WARRANTY CARD	X	
-			B46-0310-03	WARRANTY CARD	EE1E2	
-			B46-0310-03	WARRANTY CARD	E3TT1	
-			B58-0945-03	CAUTION CARD	TT1	
-			B58-0965-13	CAUTION CARD (PL)	XTT1	
-			B58-0966-13	CAUTION CARD (PL)	EE3M	
-			B58-1607-03	CAUTION CARD	E1E2	
-			B60-5197-00	INSTRUCTION MANUAL(EN)	E1E2M	
-			B60-5197-00	INSTRUCTION MANUAL(EN)	XTT1	
-			B60-5199-00	INSTRUCTION MANUAL(ES/FR/GE)	EE3	
-		*	B60-5200-00	INSTRUCTION MANUAL(PL/RU/CZ)	E1E2	
-			B60-5201-00	INSTRUCTION MANUAL(ES/TC)	M	
△ 620	1A		E03-0115-05	AC PLUG ADAPTER	M	
△ 621	1C		E30-2717-05	AC POWER CORD	X	
△ 621	1C		E30-2721-05	AC POWER CORD	TT1	
△ 621	1C		E30-2942-05	AC POWER CORD	EE1E2	
△ 621	1C		E30-2942-05	AC POWER CORD	E3M	
622	1C		E35-3197-15	FLAT CABLE		
623	2B,1C		E35-3198-15	FLAT CABLE		
624	1B,2B		E35-3199-15	FLAT CABLE		
625	2B,2C		E35-3200-15	FLAT CABLE		
626	1C		E35-3201-15	FLAT CABLE		
-			G10-0485-04	NON-WOVEN FABRIC		
-			H10-7804-01	POLYSTYRENE FOAMED FIXTURE		
-			H10-7805-01	POLYSTYRENE FOAMED FIXTURE		
-			H21-1515-04	PROTECTION SHEET		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-			H25-0391-04	PROTECTION BAG		
-		*	H50-4393-04	ITEM CARTON CASE	E	

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
Y : PX(Far East,Hawaii) T : England E : Europe G : Germany V : China(Shanghai)
Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas △ indicates safety critical components .

* New Parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

②

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
-		*	H50-4394-04	ITEM CARTON CASE	T	
-		*	H50-4395-04	ITEM CARTON CASE	E1	
-		*	H50-4396-04	ITEM CARTON CASE	M	
-		*	H50-4397-04	ITEM CARTON CASE	XT1	
-		*	H50-4399-04	ITEM CARTON CASE	E3	
-		*	H50-4401-04	ITEM CARTON CASE	E2	
△ 635	2C		J02-1464-03	FOOT		
△ 642	1C		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
650	2A		K27-2384-04	KNOB (BUTTON)	EE1T	
650	2A		K27-2481-04	KNOB (BUTTON)	E2E3M	
650	2A		K27-2481-04	KNOB (BUTTON)	XT1	
651	2A		K29-8103-04	KNOB	EE1T	
651	2A		K29-8104-04	KNOB	E2E3M	
651	2A		K29-8104-04	KNOB	XT1	
652	2A		K29-8105-04	KNOB	EE1T	
652	2A		K29-8106-04	KNOB	E2E3M	
652	2A		K29-8106-04	KNOB	XT1	
653	2A,2B		K29-8117-01	KNOB	EE1T	
653	2A,2B		K29-8119-01	KNOB	E2E3M	
653	2A,2B		K29-8119-01	KNOB	XT1	
△ 655	1B	*	L07-3167-15	POWER TRANSFORMER	EE1E2	
△ 655	1B	*	L07-3167-15	POWER TRANSFORMER	E3TT1	
△ 655	1B	*	L07-3168-15	POWER TRANSFORMER	M	
△ 655	1B	*	L07-3169-15	POWER TRANSFORMER	X	
660	1A		T90-0852-05	LOOP ANTENNA		
661	1A		T90-0877-05	LEAD WIRE ANTENNA		
665	1C		W02-2889-05	TUNER ASSY	MX	
665	1C		W02-2890-05	TUNER ASSY	EE1E2	
665	1C		W02-2890-05	TUNER ASSY	E3TT1	
665	1C		W02-2891-05	TUNER ASSY	EE1E2	
665	1C		W02-2891-05	TUNER ASSY	E3TT1	
KRF-V5060D/VR-605						
601	1A	*	A01-3844-01	METALLIC CABINET	ETE1	
601	1A	*	A01-3844-01	METALLIC CABINET	KPY	
601	1A	*	A01-3848-01	METALLIC CABINET	MXE3T1	
602	1A		A09-1178-08	BATTERY COVER		
604	2B	*	A60-2186-11	PANEL	KP	
604	2B	*	A60-2190-11	PANEL	YETE1	
604	2B	*	A60-2191-11	PANEL	MXE3T1	
605	1A	*	A70-1563-05	REMOTE CONTROLLER ASSY	YMX	
605	1A	*	A70-1564-05	REMOTE CONTROLLER ASSY	KP	
605	1A	*	A70-1565-05	REMOTE CONTROLLER ASSY	ETE1	
605	1A	*	A70-1565-05	REMOTE CONTROLLER ASSY	E3T1	
610	2B	*	B07-2606-03	ESCUTCHEON	ETE1	
610	2B	*	B07-2606-03	ESCUTCHEON	KPY	
610	2B	*	B07-2607-03	ESCUTCHEON	MXE3T1	
611	2A	*	B07-2610-01	ESCUTCHEON	ETE1	
611	2A	*	B07-2610-01	ESCUTCHEON	KPY	

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PARTS LIST

KRF-V4060D/V5060D/V5560D/VR-605/615

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③

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611	2A	*	B07-2611-01	ESCUTCHEON	MXE3T1	
612	2A	*	B10-3805-02	FRONT GLASS	KP	
612	2A	*	B10-3808-02	FRONT GLASS	YMX	
612	2A	*	B10-3809-02	FRONT GLASS	ETE1	
612	2A	*	B10-3809-02	FRONT GLASS	E3T1	
613	2A	*	B11-1547-03	COLOR FILTER		
614	2A	*	B12-0448-04	INDICATOR		
615	2A	*	B12-0465-04	INDICATOR		
616	2A		B43-0314-04	KENWOOD BADGE		
-			B46-0096-53	WARRANTY CARD	X	
-			B46-0310-03	WARRANTY CARD	ETE1	
-			B46-0310-03	WARRANTY CARD	E3T1	
-			B46-0328-03	WARRANTY CARD	Y	
-			B46-0330-03	WARRANTY CARD	K	
-			B46-0347-03	WARRANTY CARD	P	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-			B58-0945-03	CAUTION CARD	TT1	
-			B58-0964-13	CAUTION CARD (UL)	KY	
-			B58-0965-13	CAUTION CARD (PL)	XTT1	
-			B58-0966-13	CAUTION CARD (PL)	MEE3	
-			B58-0967-03	CAUTION CARD (PL)	P	
-			B58-1607-03	CAUTION CARD	E1	
-			B58-1674-03	CAUTION CARD (P1,PRA,A4,1)	K	
-			B59-1104-00	SERVICE DIRECTORY	Y	
-		*	B60-5197-00	INSTRUCTION MANUAL(EN)	E1T1	
-		*	B60-5197-00	INSTRUCTION MANUAL(EN)	KPY	
-		*	B60-5197-00	INSTRUCTION MANUAL(EN)	MXT	
-		*	B60-5198-00	INSTRUCTION MANUAL(FR)	P	
-		*	B60-5199-00	INSTRUCTION MANUAL(ES/FR/GE)	EE3	
-		*	B60-5200-00	INSTRUCTION MANUAL(PL/RU/CZ)	E1	
-		*	B60-5201-00	INSTRUCTION MANUAL(ES/TC)	M	
△ 620	1A		E03-0115-05	AC PLUG ADAPTER	M	
△ 621	1C		E30-2605-05	AC POWER CORD	Y	
△ 621	1C		E30-2717-05	AC POWER CORD	X	
△ 621	1C		E30-2721-05	AC POWER CORD	TT1	
△ 621	1C		E30-2941-05	AC POWER CORD	KP	
△ 621	1C		E30-2942-05	AC POWER CORD	MEE1E3	
622	1C	*	E35-3197-15	FLAT CABLE		
623	2B,1C	*	E35-3198-15	FLAT CABLE		
624	1B,2B	*	E35-3199-15	FLAT CABLE		
625	2B,2C	*	E35-3200-15	FLAT CABLE		
626	1C	*	E35-3201-15	FLAT CABLE		
-			G10-0485-04	NON-WOVEN FABRIC		
-		*	H10-7804-01	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-7805-01	POLYSTYRENE FOAMED FIXTURE		
-		*	H21-1515-04	PROTECTION SHEET		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-			H25-0391-04	PROTECTION BAG		
-		*	H50-4376-04	ITEM CARTON CASE	KP	
-		*	H50-4377-04	ITEM CARTON CASE	YT	
-		*	H50-4378-04	ITEM CARTON CASE	E	
-		*	H50-4380-04	ITEM CARTON CASE	E1	
-		*	H50-4381-04	ITEM CARTON CASE	M	

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④

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-		*	H50-4382-04	ITEM CARTON CASE	XT1	
-		*	H50-4383-04	ITEM CARTON CASE	E3	
635	2C		J02-1464-03	FOOT		
642	1C		J42-0349-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
650	2A	*	K27-2384-04	KNOB (BUTTON)	YETE1	
650	2A	*	K27-2481-04	KNOB (BUTTON)	MXE3T1	
651	2A	*	K29-8103-04	KNOB	ETE1	
651	2A	*	K29-8103-04	KNOB	KPY	
651	2A	*	K29-8104-04	KNOB	MXE3T1	
652	2A	*	K29-8105-04	KNOB	ETE1	
652	2A	*	K29-8105-04	KNOB	KPY	
652	2A	*	K29-8106-04	KNOB	MXE3T1	
653	2A,2B	*	K29-8117-01	KNOB	ETE1	
653	2A,2B	*	K29-8117-01	KNOB	KPY	
653	2A,2B	*	K29-8119-01	KNOB	MXE3T1	
△ 655	1B	*	L07-2922-05	POWER TRANSFORMER	KP	
△ 655	1B	*	L07-2923-05	POWER TRANSFORMER	YM	
△ 655	1B	*	L07-2924-05	POWER TRANSFORMER	X	
△ 655	1B	*	L07-3210-05	POWER TRANSFORMER	ETE1	
△ 655	1B	*	L07-3210-05	POWER TRANSFORMER	E3T1	
660	1A		T90-0852-05	LOOP ANTENNA		
661	1A		T90-0877-05	LEAD WIRE ANTENNA		
665	1C	*	W02-2887-05	TUNER ASSY	KP	
665	1C	*	W02-2888-05	TUNER ASSY	KP	
665	1C	*	W02-2889-05	TUNER ASSY	YMX	
665	1C	*	W02-2890-05	TUNER ASSY	EE1E3	
665	1C	*	W02-2890-05	TUNER ASSY	TT1	
665	1C	*	W02-2891-05	TUNER ASSY	EE1E3	
665	1C	*	W02-2891-05	TUNER ASSY	TT1	
665	1C	*	W02-2907-05	TUNER ASSY	KP	
KRF-V5560D/VR-615						
601	1A		A01-3844-01	METALLIC CABINET	KPYE	
601	1A		A01-3848-01	METALLIC CABINET	MXE3	
601	1A		A01-3848-01	METALLIC CABINET	T1H	
602	1A		A09-1178-08	BATTERY COVER		
604	2B		A60-2186-11	PANEL	KP	
604	2B		A60-2190-11	PANEL	YE	
604	2B		A60-2191-11	PANEL	MXE3	
604	2B		A60-2191-11	PANEL	T1H	
605	1A		A70-1563-05	REMOTE CONTROLLER ASSY	KP	
605	1A		A70-1564-05	REMOTE CONTROLLER ASSY	YMXH	
605	1A		A70-1566-05	REMOTE CONTROLLER ASSY	EE3T1	
610	2B		B07-2606-03	ESCUTCHEON	KPYE	
610	2B		B07-2607-03	ESCUTCHEON	MXE3	
610	2B		B07-2607-03	ESCUTCHEON	T1H	
611	2A		B07-2610-01	ESCUTCHEON	KPYE	
611	2A		B07-2611-01	ESCUTCHEON	MXE3	

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611	2A		B07-2611-01	ESCUTCHEON	T1H	
612	2A		B10-3810-02	FRONT GLASS	KP	
612	2A		B10-3811-02	FRONT GLASS	YMXH	
612	2A		B10-3812-02	FRONT GLASS	EE3T1	
613	2A		B11-1547-03	COLOR FILTER		
614	2A		B12-0448-04	INDICATOR		
615	2A		B12-0465-04	INDICATOR		
616	2A		B43-0314-04	KENWOOD BADGE		
-			B46-0096-53	WARRANTY CARD	X	
-			B46-0310-03	WARRANTY CARD	EE3T1	
-			B46-0328-03	WARRANTY CARD	Y	
-			B46-0330-03	WARRANTY CARD	K	
-			B46-0333-03	WARRANTY CARD	H	
-			B46-0347-03	WARRANTY CARD	P	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-			B58-0945-03	CAUTION CARD	T1	
-			B58-0964-13	CAUTION CARD (UL)	KY	
-			B58-0965-13	CAUTION CARD (PL)	XT1	
-			B58-0966-13	CAUTION CARD (PL)	MEE3	
-			B58-0967-03	CAUTION CARD (PL)	P	
-			B58-1674-03	CAUTION CARD (P1,PRA,A4,1)	K	
-			B59-1104-00	SERVICE DIRECTORY	Y	
-			B60-5197-00	INSTRUCTION MANUAL(EN)	KPY	
-			B60-5197-00	INSTRUCTION MANUAL(EN)	MXT1	
-			B60-5198-00	INSTRUCTION MANUAL(FR)	P	
-			B60-5199-00	INSTRUCTION MANUAL(ES/FR/GE)	EE3	
-			B60-5201-00	INSTRUCTION MANUAL(ES/TC)	M	
△ 620	1A		E03-0115-05	AC PLUG ADAPTER	M	
△ 621	1C		E30-2605-05	AC POWER CORD	Y	
△ 621	1C		E30-2717-05	AC POWER CORD	X	
△ 621	1C		E30-2721-05	AC POWER CORD	T1	
△ 621	1C		E30-2941-05	AC POWER CORD	KP	
△ 621	1C		E30-2942-05	AC POWER CORD	MEE3	
△ 621	1C		E30-2950-05	AC POWER CORD	H	
622	1C		E35-3197-15	FLAT CABLE		
623	2B,1C		E35-3198-15	FLAT CABLE		
624	1B,2B		E35-3199-15	FLAT CABLE		
625	2B,2C		E35-3200-15	FLAT CABLE		
626	1C		E35-3201-15	FLAT CABLE		
-			G10-0485-04	NON-WOVEN FABRIC		
-			H10-7804-01	POLYSTYRENE FOAMED FIXTURE		
-			H10-7805-01	POLYSTYRENE FOAMED FIXTURE		
-			H21-1515-04	PROTECTION SHEET		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-			H25-0391-04	PROTECTION BAG		
-		*	H50-4385-04	ITEM CARTON CASE	KP	
-		*	H50-4386-04	ITEM CARTON CASE	Y	
-		*	H50-4387-04	ITEM CARTON CASE	E	
-		*	H50-4388-04	ITEM CARTON CASE	XT1	
-		*	H50-4389-04	ITEM CARTON CASE	MH	
-		*	H50-4391-04	ITEM CARTON CASE	E3	
635	2C		J02-1464-03	FOOT		

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△ 642	1C		J42-0349-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
650	2A		K27-2384-04	KNOB (BUTTON)		YE
650	2A		K27-2481-04	KNOB (BUTTON)		MXE3
650	2A		K27-2481-04	KNOB (BUTTON)		T1H
651	2A		K29-8103-04	KNOB		KPYE
651	2A		K29-8104-04	KNOB		MXE3
651	2A		K29-8104-04	KNOB		T1H
652	2A		K29-8105-04	KNOB		KPYE
652	2A		K29-8106-04	KNOB		MXE3
652	2A		K29-8106-04	KNOB		T1H
653	2A,2B		K29-8117-01	KNOB		KPYE
653	2A,2B		K29-8119-01	KNOB		MXE3
653	2A,2B		K29-8119-01	KNOB		T1H
△ 655	1B		L07-2922-05	POWER TRANSFORMER		KP
△ 655	1B		L07-2923-05	POWER TRANSFORMER		YM
△ 655	1B		L07-2924-05	POWER TRANSFORMER		X
△ 655	1B		L07-3210-05	POWER TRANSFORMER		EE3T1H
660	1A		T90-0852-05	LOOP ANTENNA		
661	1A		T90-0877-05	LEAD WIRE ANTENNA		
665	1C		W02-2887-05	TUNER ASSY		KP
665	1C		W02-2888-05	TUNER ASSY		KP
665	1C		W02-2889-05	TUNER ASSY		YMXH
665	1C		W02-2890-05	TUNER ASSY		EE3T1
665	1C		W02-2891-05	TUNER ASSY		EE3T1
665	1C		W02-2907-05	TUNER ASSY		KP
SURROUND (X08-3160-10)						
C601			CK73GB1H103K	CHIP C	0.010UF	K
C602			CK73GB1H102K	CHIP C	1000PF	K
C603			CC73GCH1H220J	CHIP C	22PF	J
C604			CC73GCH1H270J	CHIP C	27PF	J
C605,606			CK73GB1H103K	CHIP C	0.010UF	K
C607			CC73GCH1H220J	CHIP C	22PF	J
C608			CK73GB1H102K	CHIP C	1000PF	K
C609,610			CK73EB1E104K	CHIP C	0.10UF	K
C611			CK73GB1H102K	CHIP C	1000PF	K
C612			CK73EB1E104K	CHIP C	0.10UF	K
C613			CE04LW1H2R2M	ELECTRO	2.2UF	50WV
C614			CK73GB1H103K	CHIP C	0.010UF	K
C615			CC73GCH1H471J	CHIP C	470PF	J
C616			CE04LW1E470M	ELECTRO	47UF	25WV
C617			CK73EB1E104K	CHIP C	0.10UF	K
C618			CK73GB1H103K	CHIP C	0.010UF	K
C619,620			CK73EB1E104K	CHIP C	0.10UF	K
C621			CE04LW1H2R2M	ELECTRO	2.2UF	50WV
C622,623			CK73GB1H103K	CHIP C	0.010UF	K
C624			CC73GCH1H101J	CHIP C	100PF	J
C630			CE04LW1H100M	ELECTRO	10UF	50WV
C631			CK73EB1E104K	CHIP C	0.10UF	K
C632,633			CC73GCH1H221J	CHIP C	220PF	J

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C634,635 C636,637 C654 C656 C657			CC73GCH1H220J CK73GB1H472K CE04LW1H100M CE04LW1E470M CE04LW1A101M	CHIP C 22PF J CHIP C 4700PF K ELECTRO 10UF 50WV ELECTRO 47UF 25WV ELECTRO 100UF 10WV		
C658 C659 C660 C661 C662			CK73GB1H103K CE04KW1A101M CC73GCH1H820J CK73GB1H103K CE04LW1A101M	CHIP C 0.010UF K ELECTRO 100UF 10WV CHIP C 82PF J CHIP C 0.010UF K ELECTRO 100UF 10WV		
C664 C665 C666 C667 C668,669			CK73EB1E104K CC73GCH1H330J CK73EB1E104K CE04KW1C472M CK73EB1E104K	CHIP C 0.10UF K CHIP C 33PF J CHIP C 0.10UF K ELECTRO 4700UF 16WV CHIP C 0.10UF K		
C670 C671 C672 C673,674 C675,676			CE04LW1H100M CK73EB1E104K CC73GCH1H220J CE04LW1H100M CC73GCH1H220J	ELECTRO 10UF 50WV CHIP C 0.10UF K CHIP C 22PF J ELECTRO 10UF 50WV CHIP C 22PF J		
C700 C701,702 C703,704 C705,706 C707,708			CC73GCH1H470J CE04LW1H100M CK73GB1H222K CK73GB1H182K CC73GCH1H101J	CHIP C 47PF J ELECTRO 10UF 50WV CHIP C 2200PF K CHIP C 1800PF K CHIP C 100PF J		
C709 C710 C711,712 C713,714 C715,716			CK73GB1H472K CC73GCH1H101J CE04LW1H100M CK73GB1H821K CK73GB1H222K	CHIP C 4700PF K CHIP C 100PF J ELECTRO 10UF 50WV CHIP C 820PF K CHIP C 2200PF K		
C717,718 C719 C720 C721,722 C723			CC73GCH1H101J CC73GCH1H470J CC73GCH1H330J CE04LW1H100M CK73GB1H222K	CHIP C 100PF J CHIP C 47PF J CHIP C 33PF J ELECTRO 10UF 50WV CHIP C 2200PF K		
C724 C725 C726 C727,728 C737,738			CK73GB1H822K CK73GB1H182K CK73GB1H822K CC73GCH1H101J CC73GCH1H220J	CHIP C 8200PF K CHIP C 1800PF K CHIP C 8200PF K CHIP C 100PF J CHIP C 22PF J		
C739,740 C741 C742 C743 C744			CE04LW1H100M CK73GB1H102K CC73GCH1H101J CK73GB1H102K CC73GCH1H101J	ELECTRO 10UF 50WV CHIP C 1000PF K CHIP C 100PF J CHIP C 1000PF K CHIP C 100PF J		
C791,792			CC73GCH1H471J	CHIP C 470PF J		
CN601 CN602 CN603 J601 J602		*	E40-8482-05 E40-8483-05 E40-3246-05 E63-1080-05 E11-0293-05	FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR PIN ASSY PIN JACK MINIATURE PHONE JACK(2P)		
X601			L77-2296-05	CRYSTAL RESONATOR(12.288MHZ)		
CP601,602			R90-0714-05	MULTI-COMP 10K X4		

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CP603-605 CP606-608 R601,602 R603,604 R605			R90-0728-05 R90-0720-05 RK73GB1J221J RK73GB1J105J RK73GB1J103J	MULTI-COMP 180 X4 MULTI-COMP 100K X4 CHIP R 220 J 1/16W CHIP R 1.0M J 1/16W CHIP R 10K J 1/16W		
R607 R608 R609 R610 R611,612			RK73GB1J471J RK73GB1J221J RK73GB1J104J RK73GB1J221J RK73GB1J332J	CHIP R 470 J 1/16W CHIP R 220 J 1/16W CHIP R 100K J 1/16W CHIP R 220 J 1/16W CHIP R 3.3K J 1/16W		
R613,614 R615 R623 R624 R625			RK73GB1J221J RK73GB1J101J RK73GB1J103J RK73GB1J221J RK73GB1J332J	CHIP R 220 J 1/16W CHIP R 100 J 1/16W CHIP R 10K J 1/16W CHIP R 220 J 1/16W CHIP R 3.3K J 1/16W	YM	
R626 R627,628 R629 R630 R631			RK73GB1J472J RK73GB1J221J RK73GB1J103J RK73GB1J333J RK73GB1J101J	CHIP R 4.7K J 1/16W CHIP R 220 J 1/16W CHIP R 10K J 1/16W CHIP R 33K J 1/16W CHIP R 100 J 1/16W		
R632,633 R634 R635 R637,638 R639			RK73GB1J472J RK73GB1J471J RK73GB1J820J RK73GB1J220J RK73GB1J183J	CHIP R 4.7K J 1/16W CHIP R 470 J 1/16W CHIP R 82 J 1/16W CHIP R 22 J 1/16W CHIP R 18K J 1/16W		
R640,641 R642 R644 R663 R664			RK73GB1J4R7J RK73GB1J220J RK73GB1J820J RK73GB1J221J R92-1993-05	CHIP R 4.7 J 1/16W CHIP R 22 J 1/16W CHIP R 82 J 1/16W CHIP R 220 J 1/16W METAL GLAZE 560 J 1/4W		
R665 R666 R670 R671 R672			RK73GB1J223J RS14KB3D180J RD14NB2E4R7J RD14NB2E1R0J RK73GB1J221J	CHIP R 22K J 1/16W FL-PROOF RS 18 J 2W RD 4.7 J 1/4W RD 1 J 1/4W CHIP R 220 J 1/16W		
R673 R674 R675 R676 R677			RK73GB1J473J RK73GB1J472J RK73GB1J221J RK73GB1J102J RK73GB1J152J	CHIP R 47K J 1/16W CHIP R 4.7K J 1/16W CHIP R 220 J 1/16W CHIP R 1.0K J 1/16W CHIP R 1.5K J 1/16W		
R678,679 R680 R683,684 R685 R689			RK73GB1J220J RK73GB1J471J RK73GB1J471J R92-1945-05 RK73GB1J220J	CHIP R 22 J 1/16W CHIP R 470 J 1/16W CHIP R 470 J 1/16W METAL GLAZE 1 J 1/4W CHIP R 22 J 1/16W		
R690 R691 R692 R701,702 R703,704			RK73GB1J471J RD14NB2E4R7J RK73GB1J220J RK73GB1J222J RK73GB1J104J	CHIP R 470 J 1/16W RD 4.7 J 1/4W CHIP R 22 J 1/16W CHIP R 2.2K J 1/16W CHIP R 100K J 1/16W		
R705,706 R707,708 R709,710 R711,712 R713,714			RK73GB1J222J RK73GB1J103J RK73GB1J472J RK73GB1J332J RK73GB1J104J	CHIP R 2.2K J 1/16W CHIP R 10K J 1/16W CHIP R 4.7K J 1/16W CHIP R 3.3K J 1/16W CHIP R 100K J 1/16W		

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R715,716 R717,718 R719,720 R721 R722			RK73GB1J222J RK73GB1J272J RK73GB1J562J RK73GB1J222J RK73GB1J153J	CHIP R 2.2K J 1/16W CHIP R 2.7K J 1/16W CHIP R 5.6K J 1/16W CHIP R 2.2K J 1/16W CHIP R 15K J 1/16W		
R723,724 R725 R726 R727,728 R729			RK73GB1J104J RK73GB1J222J RK73GB1J183J RK73GB1J103J RK73GB1J472J	CHIP R 100K J 1/16W CHIP R 2.2K J 1/16W CHIP R 18K J 1/16W CHIP R 10K J 1/16W CHIP R 4.7K J 1/16W		
R730 R735-740 R741-744 R745 R746-748			RK73GB1J562J RK73GB1J103J RK73GB1J221J RK73GB1J102J RK73GB1J101J	CHIP R 5.6K J 1/16W CHIP R 10K J 1/16W CHIP R 220 J 1/16W CHIP R 1.0K J 1/16W CHIP R 100 J 1/16W		
R749,750 R751 R752 R753 R754			RK73GB1J272J RK73GB1J472J RK73GB1J562J RK73GB1J472J RK73GB1J562J	CHIP R 2.7K J 1/16W CHIP R 4.7K J 1/16W CHIP R 5.6K J 1/16W CHIP R 4.7K J 1/16W CHIP R 5.6K J 1/16W		
R756-758 R759-761 R791,792			RK73GB1J181J RK73GB1J104J RK73GB1J183J	CHIP R 180 J 1/16W CHIP R 100K J 1/16W CHIP R 18K J 1/16W		
S601			S62-0034-05	SLIDE SWITCH	YM	
D601 D602 D602 D602 D603			MA111 DAN202U MA142WK 1SS301 DAP202U	DIODE DIODE DIODE DIODE DIODE		
D603 D603 D604 D604 D605			MA142WA 1SS300 HZU3.9(B2) UDZ3.9B DAN202U	DIODE DIODE ZENER DIODE ZENER DIODE DIODE		
D605 D605 D606,607 D606,607 D608			MA142WK 1SS301 HZU5.6(B2) UDZ5.6B MA111	DIODE DIODE ZENER DIODE ZENER DIODE DIODE		
Δ D609 D610 D610 D611-614 IC601			D2SBA20F03 HZU5.1(B2) UDZ5.1B MA111 CS493264-CLR	DIODE ZENER DIODE ZENER DIODE DIODE MOS-IC		
IC602 IC603 IC604 IC605 IC606		*	AK4586 TC7WU04FU TC7WH123FU TC74HCT7007AF TC74HC07AF	MOS-IC MOS-IC MOS-IC MOS-IC MOS-IC		
IC609 IC611 IC612 IC701-703 IC705			XC62EP2502MR BA033LBSG BA05T NJM4565MD NJU7311AM	ANALOGUE IC ANALOGUE IC ANALOGUE IC IC(OP AMP X2) MOS-IC		

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IC707 Q601,602 Q601,602 Q606 Q608			NJM4565MD DTC124EUA UN5212 2SB1375 2SC4081(R,S)	IC(OP AMP X2) DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR		
Q608 Q609 Q609 Q609			2SD1819A(Q,R) 2SA1576A(R,S) 2SB1218A(Q,R)	TRANSISTOR TRANSISTOR TRANSISTOR		
A601			W02-2802-05	OPTIC RECEIVING MODULE		
AUDIO (X09-6600-10)						
C1 ,2 C101 C101 C102 C102			CE04LW2A100M CC45FSL1H331J CC45FSL1H331J CC45FSL1H101J CC45FSL1H101J	ELECTRO 10UF CERAMIC 330PF CERAMIC 330PF CERAMIC 100PF CERAMIC 100PF	100WV J J J J	EE1E2 E3TT1 EE1E2 EE1E2 E3TT1
C103,104 C103,104 C105 C105 C106			CC45FCH1H270J CC45FCH1H270J CE04KW1H2R2M CE04KW1H2R2M CK45FF1H103Z	CERAMIC 27PF CERAMIC 27PF ELECTRO 2.2UF ELECTRO 2.2UF CERAMIC 0.010UF	J J 50WV 50WV Z	EE1E2 E3TT1 EE1E2 E3TT1 EE1E2
C106 C107 C107 C108 C108			CK45FF1H103Z CE04KW1A470M CE04KW1A470M CK45FB1H561K CK45FB1H561K	CERAMIC 0.010UF ELECTRO 47UF ELECTRO 47UF CERAMIC 560PF CERAMIC 560PF	Z 10WV 10WV K K	E3TT1 EE1E2 E3TT1 EE1E2 E3TT1
C109 C109 C110 C125 C126			CK45FF1H103Z CK45FF1H103Z CK45FF1H103Z CE04KW1H100M CK45FF1H103Z	CERAMIC 0.010UF CERAMIC 0.010UF CERAMIC 0.010UF ELECTRO 10UF CERAMIC 0.010UF	Z Z Z 50WV Z	EE1E2 E3TT1 EE1E2 E3TT1
C127 C128 C129 C130 C131	Δ		CC45FSL1H270J CE04KW1H100M CE04KW1E332M C91-1488-05 CK45FF1H103Z	CERAMIC 27PF ELECTRO 10UF ELECTRO 3300UF MF 6800PF CERAMIC 0.010UF	J 50WV 25WV 250VAC Z	
Δ C132 C133 C134 C135 C137	Δ		C91-1635-05 CE04KW1H100M CE04KW1J330M CC45FSL1H100D CK45FF1H103Z	FILM 0.068UF ELECTRO 10UF ELECTRO 33UF CERAMIC 10PF CERAMIC 0.010UF	275WV 50WV 63WV D Z	
Δ C138,139 C140 C141 C142,143 C144,145	Δ	*	CE04KW1E101M CE04KW1E222M CE04KW1E471M C90-5747-05 C90-5746-05	ELECTRO 100UF ELECTRO 2200UF ELECTRO 470UF ELECTRO 4700UF ELECTRO 3300UF	25WV 25WV 25WV 75WV 42WV	5 5
C146,147 C148-151 C152,153 C154,155 C156		*	C91-1422-05 C91-1573-05 C91-1422-05 CQ93FMG1H104J CC45FSL1H330J	MP 0.10UF MP-C 0.10UF MP 0.10UF MYLAR 0.10UF CERAMIC 33PF	250WV J 250WV J J	5
C157 C201,202 C203,204 C203,204			CC45FSL1H270J CC45FSL1H221J CE04KW1H100M CE04KW1H100M	CERAMIC 27PF CERAMIC 220PF ELECTRO 10UF ELECTRO 10UF	J J 50WV 50WV	EE1E3 TT1 5 5

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C205-208			CC45FSL1H221J	CERAMIC 220PF	J	EE1E3 5
C205-208			CC45FSL1H221J	CERAMIC 220PF	J	TT1 5
C209,210			CE04KW1A101M	ELECTRO 100UF	10WV	EE1E3 5
C209,210			CE04KW1A101M	ELECTRO 100UF	10WV	TT1 5
C211,212			CQ93FMG1H123J	MYLAR 0.012UF	J	EE1E3 5
C211,212			CQ93FMG1H123J	MYLAR 0.012UF	J	TT1 5
C213,214			CC45FSL1H332K	CERAMIC 3300PF	K	EE1E3 5
C213,214			CC45FSL1H332K	CERAMIC 3300PF	K	TT1 5
C215,216			CE04KW1H4R7M	ELECTRO 4.7UF	50WV	EE1E3 5
C215,216			CE04KW1H4R7M	ELECTRO 4.7UF	50WV	TT1 5
C217-219			CC45FSL1H101J	CERAMIC 100PF	J	EE1E3 5
C217-219			CC45FSL1H101J	CERAMIC 100PF	J	TT1 5
C220			CK45FF1H103Z	CERAMIC 0.010UF	Z	EE1E3 5
C220			CK45FF1H103Z	CERAMIC 0.010UF	Z	TT1 5
C221,222			CC45FSL1H221J	CERAMIC 220PF	J	
C225,226			CC45FSL1H221J	CERAMIC 220PF	J	
C229,230			CC45FSL1H221J	CERAMIC 220PF	J	
C233,234			CC45FSL1H221J	CERAMIC 220PF	J	
C237,238			CC45FSL1H221J	CERAMIC 220PF	J	
C241,242			CC45FSL1H221J	CERAMIC 220PF	J	
C245,246			CC45FSL1H221J	CERAMIC 220PF	J	EE1E3 5
C251,252			CC45FSL1H221J	CERAMIC 220PF	J	TT1YMX 5
C251,252			CC45FSL1H221J	CERAMIC 220PF	J	EE1E3 5
C255,256			CC45FSL1H221J	CERAMIC 220PF	J	TT1YMX 5
C255,256			CC45FSL1H221J	CERAMIC 220PF	J	
C259,260			CC45FSL1H221J	CERAMIC 220PF	J	EE1E3 5
C259,260			CC45FSL1H221J	CERAMIC 220PF	J	TT1YMX 5
C265,266			CE04RW1H4R7M	ELECTRO 4.7UF	50WV	
C268-271			CC45FSL1H101J	CERAMIC 100PF	J	
C272			CE04KW1H2R2M	ELECTRO 2.2UF	50WV	
C273			CK45FB1H471K	CERAMIC 470PF	K	
C274			CC45FSL1H331J	CERAMIC 330PF	J	
C275			CE04KW1A470M	ELECTRO 47UF	10WV	
C276			CE04KW1A101M	ELECTRO 100UF	10WV	
C278			CE04KW1A101M	ELECTRO 100UF	10WV	
C279			CE04KW1A470M	ELECTRO 47UF	10WV	
C280			CE04KW1A101M	ELECTRO 100UF	10WV	
C281			CC45FSL1H101J	CERAMIC 100PF	J	
C285-288			CC45FSL1H101J	CERAMIC 100PF	J	
C290-300			CC45FSL1H101J	CERAMIC 100PF	J	
C301,302			CE04KW1H2R2M	ELECTRO 2.2UF	50WV	
C303,304			CK45FB1H471K	CERAMIC 470PF	K	
C305			CK45FB1H391K	CERAMIC 390PF	K	
C306			CC45FSL1H331J	CERAMIC 330PF	J	
C307			CE04KW1H101M	ELECTRO 100UF	50WV	5
C308			CQ93FMG1H473J	MYLAR 0.047UF	J	
C309,310			CE04KW1A101M	ELECTRO 100UF	10WV	
C311			CE04RW1V4R7M	ELECTRO 4.7UF	35WV	
C312			CQ93FMG1H473J	MYLAR 0.047UF	J	
C313			CC45FSL1H101J	CERAMIC 100PF	J	
C316,317			CC45FSL1H100D	CERAMIC 10PF	D	
C318			CE04KW1H101M	ELECTRO 100UF	50WV	5
C319,320			CE04KW2A101M	ELECTRO 100UF	100WV	
C321,322			CK45FF1H472Z	CERAMIC 4700PF	Z	
C323-328			C91-1573-05	MP-C 0.10UF	J	

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C329			CK45FF1H472Z	CERAMIC 4700PF	Z	
C330			CC45FSL1H100D	CERAMIC 10PF	D	
C332			CE04KW1A101M	ELECTRO 100UF	10WV	
C333			CE04KW1H4R7M	ELECTRO 4.7UF	50WV	
C334			CE04KW1H010M	ELECTRO 1.0UF	50WV	
C335			CE04LW1H100M	ELECTRO 10UF	50WV	
C336			CE04KW1A221M	ELECTRO 220UF	10WV	
C337			CE04HW1E100M	NP-ELEC 10UF	25WV	
C338			CE04KW1E470M	ELECTRO 47UF	25WV	
C339-349			CC45FSL1H101J	CERAMIC 100PF	J	
C350			CQ93FMG1H122J	MYLAR 1200PF	J	
C351			CQ93FMG1H332J	MYLAR 3300PF	J	
C352,353			CE04KW1H2R2M	ELECTRO 2.2UF	50WV	
C354			CK45FB1H471K	CERAMIC 470PF	K	
C355,356			CK45FB1H102K	CERAMIC 1000PF	K	
C357			CE04KW1H2R2M	ELECTRO 2.2UF	50WV	
C358			CQ93FMG1H104J	MYLAR 0.10UF	J	
C359-364			CE04KW1H4R7M	ELECTRO 4.7UF	50WV	
C365-370			CE04KW1H2R2M	ELECTRO 2.2UF	50WV	
C371			CQ93FMG1H104J	MYLAR 0.10UF	J	
C372			CQ93FMG1H332J	MYLAR 3300PF	J	
C373,374			CQ93FMG1H104J	MYLAR 0.10UF	J	
C375			CK45FF1H103Z	CERAMIC 0.010UF	Z	
C376,377			CE04LW1H220M	ELECTRO 22UF	50WV	
C378			CE04KW1H010M	ELECTRO 1.0UF	50WV	
C380			CE04RW1V4R7M	ELECTRO 4.7UF	35WV	
C384-386			CK45FB1H471K	CERAMIC 470PF	K	
C401			CE04KW1A101M	ELECTRO 100UF	10WV	
C403,404			CE04KW2A100M	ELECTRO 10UF	100WV	
C405			CC45FSL1H470J	CERAMIC 47PF	J	
C406,407			CE04KW1H2R2M	ELECTRO 2.2UF	50WV	
C408,409			CK45FB1H471K	CERAMIC 470PF	K	
C410,411			CC45FSL1H331J	CERAMIC 330PF	J	
C412,413			CE04KW1A101M	ELECTRO 100UF	10WV	
C416,417			CC45FSL1H100D	CERAMIC 10PF	D	
C424,425			CK45FF1H472Z	CERAMIC 4700PF	Z	
C426-429			C91-1573-05	MP-C 0.10UF	J	
C439-443			CK45FB1H222K	CERAMIC 2200PF	K	
C444			CC45FSL1H221J	CERAMIC 220PF	J	
C445			CC45FSL1H560J	CERAMIC 56PF	J	
C638-642			CC45FSL1H470J	CERAMIC 47PF	J	
C643-645			CE04KW1E470M	ELECTRO 47UF	25WV	
C648			CE04RW1C100M	ELECTRO 10UF	16WV	
C652			CE04RW1C100M	ELECTRO 10UF	16WV	
C826,827			CK45FB1H471K	CERAMIC 470PF	K	
CN101			E40-8481-05	FLAT CABLE CONNECTOR		
CN102			E40-8502-05	FLAT CABLE CONNECTOR		
CN103			E40-8481-05	FLAT CABLE CONNECTOR		
CN104			E40-4428-05	PIN ASSY	YM	
CN105			E40-4245-05	PIN ASSY		
CN112			E40-4245-05	PIN ASSY	EE1E3	
CN112			E40-4245-05	PIN ASSY	TT1KPX	
CN114			E40-3262-05	PIN ASSY		
CN115			E40-4245-05	PIN ASSY		
CN115			E40-4245-05	PIN ASSY		4 5

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CN115 CN118 CN201 CN806 J201		*	E40-4245-05 E40-4245-05 E40-8482-05 E40-3247-05 E63-1256-05	PIN ASSY PIN ASSY FLAT CABLE CONNECTOR PIN ASSY PIN JACK	TT1YMX YM	
J202 J203 J203 J203 J203		*	E63-1258-05 E63-1256-05 E63-1256-05 E63-1258-05 E63-1258-05	PIN JACK PIN JACK PIN JACK PIN JACK PIN JACK	EE1E3 TT1YMX KP	5 5 4 5
J204 J204 J205 J206 J206			E63-1260-05 E63-1260-05 E03-0148-05 E03-0149-05 E03-0149-05	PIN JACK PIN JACK AC OUTLET AC OUTLET AC OUTLET	EE1E3 TT1YMX KPY EE1E2 E3M	5 5 5
J206 J206 J401 J402 J404		*	E03-0310-05 E03-0325-05 E70-0156-05 E70-0155-05 E63-1146-05	AC OUTLET AC OUTLET LOCK TERMINAL BOARD LOCK TERMINAL BOARD PIN JACK	TT1 X	
J603 J604 J801		*	E63-1254-05 E63-1255-05 E11-0271-05	PIN JACK PIN JACK PHONE JACK (METAL SLEEVE)		
F101 F101 F101 F101 F101 F102			F05-2525-05 F05-3121-05 F05-3121-05 F05-3121-05 F50-0077-05 F06-1022-05	FUSE (SEMKO) (250V T2.5AL) FUSE (SEMKO) (250V T3.15AL) FUSE (SEMKO) (250V T3.15AL) FUSE (SEMKO) (250V T3.15AL) FUSE (SEMKO) (250V T3.15AL) FUSE (SEMKO) (250V T1AL)	EE1E3 TT1YMX KP	4 5 4
F102 F102 F103 F103			F06-1022-05 F06-1022-05 F05-2525-05 F05-3121-05	FUSE (SEMKO) (250V T1AL) FUSE (SEMKO) (250V T1AL) FUSE (SEMKO) (250V T2.5AL) FUSE (SEMKO) (250V T3.15AL)	EE1E3 TT1MX M YM	5 4 5
CN108,109 CN108,109 CN110,111 CN116,117 E11 -14			J13-0075-05 J13-0075-05 J13-0075-05 J13-0075-05 J11-0809-05	FUSE CLIP FUSE CLIP FUSE CLIP FUSE CLIP WIRE CLAMPER	EE1E3 TT1MX YM	
L301-303 L401,402 T101 T101 T101			L39-1373-05 L39-1373-05 L07-2758-05 L07-2758-05 L07-2758-05	PHASE COMPENSATION COIL PHASE COMPENSATION COIL POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER	EE1E2 E3TT1 KPX	
T101 T101 T101 T101 X101			L07-2761-05 L07-2761-05 L07-2761-05 L07-2805-05 L77-2002-05	POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER CRYSTAL RESONATOR(4.332MHZ)	EE1E2 E3TT1 KPX YM EE1E2	
X101			L77-2002-05	CRYSTAL RESONATOR(4.332MHZ)	E3TT1	
R123 R124 R125 R126 R127			RD14NB2E1R0J RS14KB3A221J RD14NB2E270J RD14NB2E101J RD14NB2E822J	RD FL-PROOF RS RD RD RD	1 220 27 100 8.2K	J 1/4W J 1W J 1/4W J 1/4W J 1/4W

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R132 R141,142 R213,214 R316,317 R334,335			R92-1844-05 RD14NB2E1R0J RD14BB2C102J RS14KB3A472J RD14NB2E4R7J	CARBON RD RD FL-PROOF RS RD	3.3M 1 1.0K 4.7K 4.7	J 1/2W J 1/4W J 1/6W J 1W J 1/4W
R338-341 R342,343 R345 R347 R348,349			RS14KB3DR22J RS14KB3D4R7J RS14KB3D4R7J RD14NB2E4R7J RS14KB3DR22J	FL-PROOF RS FL-PROOF RS FL-PROOF RS RD FL-PROOF RS	0.22 4.7 4.7 4.7 0.22	J 2W J 2W J 2W J 1/4W J 2W
R365 R410 R411 R414 R415			RD14NB2E561J RD14NB2E103J RD14NB2E101J RD14NB2E101J RD14NB2E103J	RD RD RD RD RD	560 10K 100 100 10K	J 1/4W J 1/4W J 1/4W J 1/4W J 1/4W
R438,439 R452,453 R460-463 R466,467 R468,469			RS14KB3D391J RS14KB3A472J RS14KB3DR22J RD14NB2E4R7J RS14KB3D4R7J	FL-PROOF RS FL-PROOF RS FL-PROOF RS RD FL-PROOF RS	390 4.7K 0.22 4.7 4.7	J 2W J 1W J 2W J 1/4W J 2W
R478-480			RS14KB3A151J	FL-PROOF RS	150	J 1W
K101 K101 K101 K101 K401-403			S76-0099-05 S76-0102-05 S76-0102-05 S76-0102-05 S76-0097-05	MAGNETIC RELAY MAGNETIC RELAY MAGNETIC RELAY MAGNETIC RELAY MAGNETIC RELAY		KP EE1E2 E3TT1 YMX
S101 S102 S102 S102			1.5.S62 S68-0107-05 S68-0107-05 S68-0107-05	SLIDE SWITCH PUSH SWITCH PUSH SWITCH PUSH SWITCH		YM EE1E2 E3TT1 YMX
D113 D114-116 D114-116 D117 D118			RB441Q-40 HSS104A 1SS133 S1ZB20(4101) HZS16N(B2)	DIODE DIODE DIODE DIODE ZENER DIODE		
D118 D119 D119 D120 D121			MTZJ16(B) HZS15N(B2) MTZJ15(B) D2SBA20F03 D5SBA20F03	ZENER DIODE ZENER DIODE ZENER DIODE DIODE DIODE		
D122 D123,124 D123,124 D201 D201			D5SBA20F03 HSS104A 1SS133 HZS6.8N(B2) MTZJ6.8(B)	DIODE DIODE DIODE ZENER DIODE ZENER DIODE		YM YM
D202 D202 D203 D203 D215			HZS5.1N(B2) MTZJ5.1(B) HZS6.8N(B2) MTZJ6.8(B) HSS104A	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE DIODE		
D215 D301,302 D301,302 D303,304			1SS133 HZS15N(B2) MTZJ15(B) HSS104A	DIODE ZENER DIODE ZENER DIODE DIODE		5 5

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KRF-V4060D/V5060D/V5560D/NR-605/615

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D303,304 D305,306 D305,306 D305,306 D305,306			1SS133 HZS10N(B2) HZS10N(B2) HZS10N(B2) HZS11N(B2)	DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE	EE1E2 E3TT1 YMX KP	
D305,306 D305,306 D305,306 D305,306 D307			MTZJ10(B) MTZJ10(B) MTZJ10(B) MTZJ11(B) HZS3.9N(B2)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE	EE1E2 E3TT1 YMX KP	
D307 D308-310 D308-310 D311,312 D311,312			MTZJ3.9(B) HSS104A 1SS133 HZS3.9N(B2) MTZJ3.9(B)	ZENER DIODE DIODE DIODE ZENER DIODE ZENER DIODE		
D313 D313 D314 D314 D315			HSS104A 1SS133 HZS3.9N(B2) MTZJ3.9(B) HSS104A	DIODE DIODE ZENER DIODE ZENER DIODE DIODE		
D315 D316 D316 D317,318 D317,318			1SS133 HZS3.9N(B2) MTZJ3.9(B) HSS104A 1SS133	DIODE ZENER DIODE ZENER DIODE DIODE DIODE		
D319 D319 D319 D319 D319,320			HZS11N(B2) HZS11N(B2) MTZJ11(B) MTZJ11(B) HZS15N(B2)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE	EE1E3 TT1 EE1E3 TT1 KPYMX	5 5 5 5 5
D319,320 D320 D320 D320 D320			MTZJ15(B) HZS13N(B2) HZS13N(B2) MTZJ13(B) MTZJ13(B)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE	KPYMX EE1E3 TT1 EE1E3 TT1	5 5 5 5 5
D401,402 D401,402 D403,404 D403,404 D406-408			HZS15N(B2) MTZJ15(B) HSS104A 1SS133 HSS104A	ZENER DIODE ZENER DIODE DIODE DIODE DIODE		5 5
D406-408 D602,603 D602,603 D999 D999			1SS133 HZS5.6N(B2) MTZJ5.6(B) HSS104A 1SS133	DIODE ZENER DIODE ZENER DIODE DIODE DIODE		
IC101 IC101 IC105 IC106 IC107			BU1923 BU1923 BA05T KIA7812API KIA7912PI	ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC	EE1E2 E3TT1	
IC201 IC201 IC202 IC206 IC301			NJM4580L-D NJM4580L-D M61516FP NJM4565D STK413-020A	ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC HYBRID IC	EE1E3 TT1	5 5 5

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
IC301 IC301 IC401 IC401 IC401		*	STK413-220A STK443-070 STK412-020A STK412-220A STK442-070	HYBRID IC HYBRID IC HYBRID IC HYBRID IC HYBRID IC		5 4 5 5 4
IC607 Q113 Q114 Q114 Q201			NJM2279D 2SB1640 2SC1740S(Q,R) 2SC2785(F,E) 2SC1845(F,E)	ANALOGUE IC TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q203 Q301-306 Q307,308 Q309-315 Q316			2SA992(F,E) 2SC2878(B) 2SA992(F,E) 2SC1845(F,E) 2SA992(F,E)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q317,318 Q319 Q401 Q402 Q403			2SC2878(B) 2SA992(F,E) 2SC1845(F,E) 2SA1535A 2SC3944A	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q404 Q405 Q406 Q407,408 Q410,411			2SC1845(F,E) 2SA992(F,E) 2SB1640 2SC1845(F,E) DTC113ZSA	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR		
Q410,411 Q412 Q412			UN4219 2SC1740S(Q,R) 2SC2785(F,E)	DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR		
AUDIO (X09-6610-10)						
C1 .2 C101 C102 C103,104 C105			CE04LW2A100M CC45FSL1H331J CC45FSL1H101J CC45FCH1H270J CE04KW1H2R2M	ELECTRO CERAMIC CERAMIC CERAMIC ELECTRO	10UF 330PF 100PF 27PF 2.2UF	100WV J J J 50WV
C106 C107 C108 C109 C110			CK45FF1H103Z CE04KW1A470M CK45FB1H561K CK45FF1H103Z CK45FF1H103Z	CERAMIC ELECTRO CERAMIC CERAMIC CERAMIC	0.010UF 47UF 560PF 0.010UF 0.010UF	Z 10WV K Z Z
C125 C126 C127 C128 C129			CE04KW1H100M CK45FF1H103Z CC45FSL1H270J CE04KW1H100M CE04KW1E332M	ELECTRO CERAMIC CERAMIC ELECTRO ELECTRO	10UF 0.010UF 27PF 10UF 3300UF	50WV Z J 50WV 25WV
C130 C131 C132 C133 C134			C91-1488-05 CK45FF1H103Z C91-1635-05 CE04KW1H100M CE04KW1J330M	MF CERAMIC FILM ELECTRO ELECTRO	6800PF 0.010UF 0.068UF 10UF 33UF	250VAC Z 275WV 50WV 63WV
C135 C137 C138,139 C140 C141			CC45FSL1H100D CK45FF1H103Z CE04KW1E101M CE04KW1E222M CE04KW1E471M	CERAMIC CERAMIC ELECTRO ELECTRO ELECTRO	10PF 0.010UF 100UF 2200UF 470UF	D Z 25WV 25WV 25WV

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C142,143 C144,145 C146,147 C148-151 C156			C90-5747-05 C90-5746-05 C91-1422-05 C91-1573-05 CC45FSL1H330J	ELECTRO 4700UF 75WV ELECTRO 3300UF 42WV MP 0.10UF 250WV MP-C 0.10UF J CERAMIC 33PF J		
C157 C201,202 C221,222 C225,226 C229,230			CC45FSL1H270J CC45FSL1H221J CC45FSL1H221J CC45FSL1H221J CC45FSL1H221J	CERAMIC 27PF J CERAMIC 220PF J CERAMIC 220PF J CERAMIC 220PF J CERAMIC 220PF J		
C233,234 C237,238 C241,242 C245,246 C251,252			CC45FSL1H221J CC45FSL1H221J CC45FSL1H221J CC45FSL1H221J CC45FSL1H221J	CERAMIC 220PF J CERAMIC 220PF J CERAMIC 220PF J CERAMIC 220PF J CERAMIC 220PF J	KP	
C255,256 C259,260 C265,266 C268-271 C272			CC45FSL1H221J CC45FSL1H221J CE04RW1H4R7M CC45FSL1H101J CE04KW1H2R2M	CERAMIC 220PF J CERAMIC 220PF J ELECTRO 4.7UF 50WV CERAMIC 100PF J ELECTRO 2.2UF 50WV	KP KP	
C273 C274 C275 C276 C278			CK45FB1H471K CC45FSL1H331J CE04KW1A470M CE04KW1A101M CE04KW1A101M	CERAMIC 470PF K CERAMIC 330PF J ELECTRO 47UF 10WV ELECTRO 100UF 10WV ELECTRO 100UF 10WV		
C279 C280 C281 C283-288 C290-300			CE04KW1A470M CE04KW1A101M CC45FSL1H101J CC45FSL1H101J CC45FSL1H101J	ELECTRO 47UF 10WV ELECTRO 100UF 10WV CERAMIC 100PF J CERAMIC 100PF J CERAMIC 100PF J		
C301,302 C303,304 C305 C306 C307			CE04KW1H2R2M CK45FB1H471K CK45FB1H391K CC45FSL1H331J CE04KW1H101M	ELECTRO 2.2UF 50WV CERAMIC 470PF K CERAMIC 390PF K CERAMIC 330PF J ELECTRO 100UF 50WV		
C308 C309,310 C311 C312 C313			CQ93FMG1H473J CE04KW1A101M CE04RW1V4R7M CQ93FMG1H473J CC45FSL1H101J	MYLAR 0.047UF J ELECTRO 100UF 10WV ELECTRO 4.7UF 35WV MYLAR 0.047UF J CERAMIC 100PF J		
C316,317 C318 C319,320 C321,322 C323-328			CC45FSL1H100D CE04KW1H101M CE04KW2A101M CK45FF1H472Z C91-1573-05	CERAMIC 10PF D ELECTRO 100UF 50WV ELECTRO 100UF 100WV CERAMIC 4700PF Z MP-C 0.10UF J		
C329 C330 C332 C333 C334			CK45FF1H472Z CC45FSL1H100D CE04KW1A101M CE04KW1H4R7M CE04KW1H010M	CERAMIC 4700PF Z CERAMIC 10PF D ELECTRO 100UF 10WV ELECTRO 4.7UF 50WV ELECTRO 1.0UF 50WV		
C335 C336 C337 C338 C339-349			CE04LW1H100M CE04KW1A221M NP-ELEC 10UF 25WV CE04KW1E470M CC45FSL1H101J	ELECTRO 10UF 50WV ELECTRO 220UF 10WV NP-ELEC 10UF 25WV ELECTRO 47UF 25WV CERAMIC 100PF J		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C350 C351 C352,353 C354 C355,356			CQ93FMG1H122J CQ93FMG1H332J CE04KW1H2R2M CK45FB1H471K CK45FB1H102K	MYLAR 1200PF J MYLAR 3300PF J ELECTRO 2.2UF 50WV CERAMIC 470PF K CERAMIC 1000PF K		
C357 C358 C359-364 C365-370 C371			CE04KW1H2R2M CQ93FMG1H104J CE04KW1H4R7M CE04KW1H2R2M CQ93FMG1H104J	ELECTRO 2.2UF 50WV MYLAR 0.10UF J ELECTRO 4.7UF 50WV ELECTRO 2.2UF 50WV MYLAR 0.10UF J		
C372 C373,374 C375 C376,377 C378			CQ93FMG1H332J CQ93FMG1H104J CK45FF1H103Z CE04LW1H220M CE04KW1H010M	MYLAR 3300PF J MYLAR 0.10UF J CERAMIC 0.010UF Z ELECTRO 22UF 50WV ELECTRO 1.0UF 50WV		
C380 C384-386 C401 C403,404 C405			CE04RW1V4R7M CK45FB1H471K CE04KW1A101M CE04KW2A100M CC45FSL1H470J	ELECTRO 4.7UF 35WV CERAMIC 470PF K ELECTRO 100UF 10WV ELECTRO 10UF 100WV CERAMIC 47PF J		
C406,407 C408,409 C410,411 C412,413 C416,417			CE04KW1H2R2M CK45FB1H471K CC45FSL1H331J CE04KW1A101M CC45FSL1H100D	ELECTRO 2.2UF 50WV CERAMIC 470PF K CERAMIC 330PF J ELECTRO 100UF 10WV CERAMIC 10PF D		
C424,425 C426-429 C430 C431 C433			CK45FF1H472Z C91-1573-05 CK45FF1H472Z CC45FSL1H100D CE04KW1A101M	CERAMIC 4700PF Z MP-C 0.10UF J CERAMIC 4700PF Z CERAMIC 10PF D ELECTRO 100UF 10WV		
C434 C435 C436 C437,438 C439-443			CC45FSL1H331J CK45FB1H471K CE04KW1H2R2M C91-1573-05 CK45FB1H222K	CERAMIC 330PF J CERAMIC 470PF K ELECTRO 2.2UF 50WV MP-C 0.10UF J CERAMIC 2200PF K		
C444 C445 C446 C638-642 C643-645			CC45FSL1H221J CC45FSL1H560J CK45FB1H222K CC45FSL1H470J CE04KW1E470M	CERAMIC 220PF J CERAMIC 56PF J CERAMIC 2200PF K CERAMIC 47PF J ELECTRO 47UF 25WV		
C648 C652 C826,827			CE04RW1C100M CE04RW1C100M CK45FB1H471K	ELECTRO 10UF 16WV ELECTRO 10UF 16WV CERAMIC 470PF K		
CN101 CN102 CN103 CN104 CN105			E40-8481-05 E40-8502-05 E40-8481-05 E40-4428-05 E40-4245-05	FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR PIN ASSY PIN ASSY	YM	
CN112 CN112 CN114 CN115 CN115			E40-4245-05 E40-4245-05 E40-3262-05 E40-4245-05 E40-4245-05	PIN ASSY PIN ASSY PIN ASSY PIN ASSY PIN ASSY	EE3T1 KPXH	
CN118			E40-4245-05	PIN ASSY	YM	

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CN201		*	E40-8482-05	FLAT CABLE CONNECTOR		
CN806			E40-3247-05	PIN ASSY		
J201		*	E63-1256-05	PIN JACK		
J202		*	E63-1258-05	PIN JACK		
J203		*	E63-1256-05	PIN JACK	KP	
J203		*	E63-1258-05	PIN JACK	EE3T1	
J203		*	E63-1258-05	PIN JACK	YMXH	
J204		*	E63-1260-05	PIN JACK	KP	
△ J205			E03-0148-05	AC OUTLET	KPY	
△ J206			E03-0149-05	AC OUTLET	MEE3	
△ J206			E03-0310-05	AC OUTLET	T1	
△ J206			E03-0325-05	AC OUTLET	XH	
J401		*	E70-0156-05	LOCK TERMINAL BOARD		
J403		*	E70-0154-05	LOCK TERMINAL BOARD		
J603		*	E63-1254-05	PIN JACK		
J604		*	E63-1255-05	PIN JACK		
J801			E11-0271-05	PHONE JACK (METAL SLEEVE)		
△ F101			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	EE3T1	
△ F101			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	YMXH	
△ F101			F50-0077-05	FUSE(5X20)	KP	
△ F102			F06-1022-05	FUSE (SEMKO) (250V T1AL)	EE3T1	
△ F102			F06-1022-05	FUSE (SEMKO) (250V T1AL)	MX	
△ F103			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	YM	
CN108,109			J13-0075-05	FUSE CLIP	EE3T1	
CN108,109			J13-0075-05	FUSE CLIP	MX	
CN110,111			J13-0075-05	FUSE CLIP		
CN116,117			J13-0075-05	FUSE CLIP	YM	
E11 -14			J11-0809-05	WIRE CLAMPER		
L301-303			L39-1373-05	PHASE COMPENSATION COIL		
L401-403			L39-1373-05	PHASE COMPENSATION COIL		
△ T101			L07-2758-05	POWER TRANSFORMER	EE3T1	
△ T101			L07-2758-05	POWER TRANSFORMER	KPXH	
△ T101			L07-2761-05	POWER TRANSFORMER	EE3T1	
△ T101			L07-2761-05	POWER TRANSFORMER	YM	
△ X101			L77-2002-05	CRYSTAL RESONATOR(4.332MHZ)	EE3T1	
△ R123			RD14NB2E1R0J	RD 1	J 1/4W	
R124			RS14KB3A221J	FL-PROOF RS 220	J 1W	
R125			RD14NB2E270J	RD 27	J 1/4W	
△ R126			RD14NB2E101J	RD 100	J 1/4W	
R127			RD14NB2E822J	RD 8.2K	J 1/4W	
△ R132			R92-1844-05	CARBON 3.3M	J 1/2W	
△ R141,142			RD14NB2E1R0J	RD 1	J 1/4W	
R316,317			RS14KB3A472J	FL-PROOF RS 4.7K	J 1W	
R334,335			RD14NB2E4R7J	RD 4.7	J 1/4W	
R338-341			RS14KB3DR22J	FL-PROOF RS 0.22	J 2W	
R342,343			RS14KB3D4R7J	FL-PROOF RS 4.7	J 2W	
R345			RS14KB3D4R7J	FL-PROOF RS 4.7	J 2W	
R347			RD14NB2E4R7J	RD 4.7	J 1/4W	
R348,349			RS14KB3DR22J	FL-PROOF RS 0.22	J 2W	
R365			RD14NB2E561J	RD 560	J 1/4W	
R410			RD14NB2E103J	RD 10K	J 1/4W	
R411			RD14NB2E101J	RD 100	J 1/4W	

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R414			RD14NB2E101J	RD 100	J 1/4W	
R415			RD14NB2E103J	RD 10K	J 1/4W	
R438,439			RS14KB3D391J	FL-PROOF RS 390	J 2W	
R452,453			RS14KB3A472J	FL-PROOF RS 4.7K	J 1W	
R460-463			RS14KB3DR22J	FL-PROOF RS 0.22	J 2W	
R466,467			RD14NB2E4R7J	RD 4.7	J 1/4W	
R468,469			RS14KB3D4R7J	FL-PROOF RS 4.7	J 2W	
R473,474			RS14KB3DR22J	FL-PROOF RS 0.22	J 2W	
R475			RD14NB2E4R7J	RD 4.7	J 1/4W	
R476			RS14KB3D4R7J	FL-PROOF RS 4.7	J 2W	
R478-480			RS14KB3A151J	FL-PROOF RS 150	J 1W	
△ K101			S76-0099-05	MAGNETIC RELAY	KP	
△ K101			S76-0102-05	MAGNETIC RELAY	EE3T1	
△ K101			S76-0102-05	MAGNETIC RELAY	YMXH	
K401-403			S76-0097-05	MAGNETIC RELAY		
△ S101			S62-0001-05	SLIDE SWITCH	YM	
△ S102			S68-0107-05	PUSH SWITCH	EE3T1	
△ S102			S68-0107-05	PUSH SWITCH	YMXH	
D113		*	RB441Q-40	DIODE		
△ D114-116			HSS104A	DIODE		
△ D114-116			1SS133	DIODE		
△ D117			S1ZB20(4101)	DIODE		
D118			HZS16N(B2)	ZENER DIODE		
D118			MTZJ16(B)	ZENER DIODE		
D119			HZS15N(B2)	ZENER DIODE		
D119			MTZJ15(B)	ZENER DIODE		
△ D120			D2SBA20F03	DIODE		
△ D121,122			D5SBA20F03	DIODE		
D123,124			HSS104A	DIODE		
D123,124			1SS133	DIODE		
D201			HZS6.8N(B2)	ZENER DIODE	YM	
D201			MTZJ6.8(B)	ZENER DIODE	YM	
△ D202			HZS5.1N(B2)	ZENER DIODE		
△ D202			MTZJ5.1(B)	ZENER DIODE		
D203			HZS6.8N(B2)	ZENER DIODE		
D203			MTZJ6.8(B)	ZENER DIODE		
D215			HSS104A	DIODE		
D215			1SS133	DIODE		
D301,302			HZS15N(B2)	ZENER DIODE		
D301,302			MTZJ15(B)	ZENER DIODE		
D303,304			HSS104A	DIODE		
D303,304			1SS133	DIODE		
D305,306			HZS10N(B2)	ZENER DIODE	EE3T1	
D305,306			HZS10N(B2)	ZENER DIODE		
D305,306			HZS11N(B2)	ZENER DIODE	YMXH	
D305,306			MTZJ10(B)	ZENER DIODE	KP	
D305,306			MTZJ10(B)	ZENER DIODE	EE3T1	
D305,306			MTZJ11(B)	ZENER DIODE	YMXH	
D307			HZS3.9N(B2)	ZENER DIODE	KP	
D307			MTZJ3.9(B)	ZENER DIODE		
D308-310			HSS104A	DIODE		
D308-310			1SS133	DIODE		
D311,312			HZS3.9N(B2)	ZENER DIODE		

L : Scandinavia

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I : Malaysia

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PARTS LIST

KRF-V4060D/V5060D/V5560D/VR-605/615

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D311,312 D313 D313 D314 D314			MTZJ3.9(B) HSS104A 1SS133 HZS3.9N(B2) MTZJ3.9(B)	ZENER DIODE DIODE DIODE ZENER DIODE ZENER DIODE		
D315 D315 D316 D316 D317,318			HSS104A 1SS133 HZS3.9N(B2) MTZJ3.9(B) HSS104A	DIODE DIODE ZENER DIODE ZENER DIODE DIODE		
D317,318 D319 D319 D319 D319			1SS133 HZS11N(B2) HZS15N(B2) MTZJ11(B) MTZJ15(B)	DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE	EE3T1H KPYMX EE3T1H KPYMX	
D320 D320 D320 D320 D401,402			HZS13N(B2) HZS15N(B2) MTZJ13(B) MTZJ15(B) HZS15N(B2)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE	EE3T1H KPYMX EE3T1H KPYMX	
D401,402 D403,404 D403,404 D406-408 D406-408			MTZJ15(B) HSS104A 1SS133 HSS104A 1SS133	ZENER DIODE DIODE DIODE DIODE DIODE		
D602,603 D602,603 D999 D999 IC101			HZS5.6N(B2) MTZJ5.6(B) HSS104A 1SS133 BU1923	ZENER DIODE ZENER DIODE DIODE DIODE ANALOGUE IC	EE3T1	
△ IC105 △ IC106 △ IC107 IC202 IC206			BA05T KIA7812API KIA7912PI M61516FP NJM4565D	ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC ANALOGUE IC		
△ IC301 △ IC301 △ IC401 △ IC401 IC607		*	STK413-020A STK413-220A STK413-020A STK413-220A NJM2279D	HYBRID IC HYBRID IC HYBRID IC HYBRID IC ANALOGUE IC		
△ Q113 Q114 Q114 Q201 △ Q203			2SB1640 2SC1740S(Q,R) 2SC2785(F,E) 2SC1845(F,E) 2SA992(F,E)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q301-306 Q307,308 Q309-315 Q316 Q317,318			2SC2878(B) 2SA992(F,E) 2SC1845(F,E) 2SA992(F,E) 2SC2878(B)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q319 Q401 Q402 Q403 Q404			2SA992(F,E) 2SC1845(F,E) 2SA1535A 2SC3944A 2SC1845(F,E)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Q405 Q406 Q407-409 Q410,411 Q410,411			2SA992(F,E) 2SB1640 2SC1845(F,E) DTC113ZSA UN4219	TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR		
Q412 Q412			2SC1740S(Q,R) 2SC2785(F,E)	TRANSISTOR TRANSISTOR		
DISPLAY (X14-7470-10)						
D805-808			B30-2545-05	LED(RED3(160))		
C801 C802,803 C804 C805 C806			CE04RW1H330M CE04RW1H010M CE04LW1H470M CE04RW1A101M CE04RW1E470M	ELECTRO ELECTRO ELECTRO ELECTRO ELECTRO	33UF 1.0UF 47UF 100UF 47UF	50WV 50WV 50WV 10WV 25WV
C807 C809 C810 C811 C812			CE04PW1H100M CE04RW1H010M C90-1826-05 CE04RW1A101M CE04HW1H100M	ELECTRO ELECTRO BACKUP-C ELECTRO NP-ELEC	10UF 1.0UF 0.047F 100UF 10UF	50WV 50WV 5.5WV 10WV 50WV
C813 C814 C815,816 C817 C818,819			CK45FF1H103Z CC45FSL1H101J CK45FF1H103Z CC45FSL1H101J CK45FF1H103Z	CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	0.010UF 100PF 0.010UF 100PF 0.010UF	Z J Z J Z
C820,821 C822-825 C828,829 C830 C831,832			C91-0769-05 CK45FF1H103Z CK45FF1H103Z CC45FSL1H101J CK45FF1H103Z	CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	0.010UF 0.010UF 0.010UF 100PF 0.010UF	K Z Z J Z
C833 C834 C835 C836-839 C840			CC45FSL1H101J CQ93FMG1H103J CK45FF1H103Z C91-0745-05 CQ93FMG1H104J	CERAMIC MYLAR CERAMIC CERAMIC MYLAR	100PF 0.010UF 0.010UF 100PF 0.10UF	J J Z K J
C841 C842 C843 C844,845 C846			C91-0745-05 CE04PW1H100M CE04LW1H2R2M CK45FF1H103Z CQ93FMG1H103J	CERAMIC ELECTRO ELECTRO CERAMIC MYLAR	100PF 10UF 2.2UF 0.010UF 0.010UF	K 50WV 50WV Z J
C847,848 C849			C91-0745-05 CC45FSL1H100D	CERAMIC CERAMIC	100PF 10PF	K D
CN801 CN802 CN803 CN805			E40-8502-05 E40-8501-05 E40-8503-05 E40-3263-05	FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR PIN ASSY		
E1 E2 E4			J11-0808-05 J11-0809-05 J11-0808-05	WIRE CLAMPER WIRE CLAMPER WIRE CLAMPER		
X800 X801		*	L78-0747-05 L78-0725-05	RESONATOR RESONATOR	(4MHZ) (8.38MHZ)	
CP801 CP802			R90-0500-05 R90-0855-05	MULTI-COMP MULTI-COMP	100KX6 100KX5	J 1/4W J

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PARTS LIST

KRF-V4060D/V5060D/V5560D/VR-605/615

PARTS LIST

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Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
CP803 R849			R90-0493-05 RD14NB2E2R2J	MULTI-COMP 100KX9 J 1/6W RD 2.2 J 1/4W		
S801-812 S801-812			S70-0031-05 S70-0086-05	TACT SWITCH TACT SWITCH		
S813,814 S815			T99-0666-05 T99-0664-05	ROTARY ENCODER ROTARY ENCODER		
D801 D801 D802-804 D802-804 D809			MTZJ6.2(B) RD6.2ES(B) HSS104A 1SS133 HSS104A	ZENER DIODE ZENER DIODE DIODE DIODE DIODE		
D809 D810 D810 D811 D811			1SS133 HSS104A 1SS133 HSS104A 1SS133	DIODE DIODE DIODE DIODE DIODE	KPYM KPYP	
Δ D812,813 D814 D814 D816 D816			RB441Q-40 HSS104A 1SS133 HSS104A 1SS133	DIODE DIODE DIODE DIODE DIODE	YM YM	
D819-828 D819-828 ED801 IC801 IC802			HSS104A 1SS133 * 11MT129GNK * MN12510F S-80840ANY	DIODE DIODE FLUORESCENT INDICATOR TUBE MOS-IC ANALOGUE IC		
IC803 IC804 IC806 Q802 Q802			* XC6202P502TH * MN101C51FGA S-80840ANY 2SC1740S(Q,R) 2SC2785(F,E)	MOS-IC MI-COM IC ANALOGUE IC TRANSISTOR TRANSISTOR	YM	
Q803 Q803 Q804-807 Q804-807			2SA1175(F,E) 2SA933AS(Q,R) 2SC1740S(Q,R) 2SC2785(F,E)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
A801			W02-2759-05	ELECTRIC CIRCUIT MODULE		

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KRF-V4060D/V5060D/V5560D/VR-605/615

PARTS LIST

PCB # vs Model

MALYSIA MADE					INDONESIA MADE				
KRF-V4060D	E	X08-3180-10	X09-6622-72	X14-7482-73	KRF-V4060D	E	X08-3160-10	X09-6602-72	X14-7472-73
KRF-V4060DE	E1	X08-3180-10	X09-6622-72	X14-7482-73	KRF-V4060DE	E1	X08-3160-10	X09-6602-72	X14-7472-73
KRF-V4060D-S	E3	X08-3180-10	X09-6622-72	X14-7482-73	KRF-V4060D-S	E3	X08-3160-10	X09-6602-72	X14-7472-73
KRF-V4060DE-S	E2	X08-3180-10	X09-6622-72	X14-7482-73	KRF-V4060DE-S	E2	X08-3160-10	X09-6602-72	X14-7472-73
KRF-V4060D-S	M	X08-3180-21	X09-6620-22	X14-7480-23	KRF-V4060D-S	M	X08-3160-21	X09-6600-22	X14-7470-23
KRF-V4060D-S	X	X08-3180-10	X09-6620-72	X14-7480-73	KRF-V4060D-S	X	X08-3160-10	X09-6600-72	X14-7470-73
KRF-V4060D	T	X08-3180-10	X09-6620-52	X14-7482-73	KRF-V4060D	T	X08-3160-10	X09-6600-52	X14-7472-73
KRF-V4060D-S	T1	X08-3180-10	X09-6620-52	X14-7482-73	KRF-V4060D-S	T1	X08-3160-10	X09-6600-52	X14-7472-73
VR-605	K	X08-3180-10	X09-6620-10	X14-7480-10	VR-605	K	X08-3160-10	X09-6600-10	X14-7470-10
VR-605	P	X08-3180-10	X09-6620-10	X14-7480-10	VR-605	P	X08-3160-10	X09-6600-10	X14-7470-10
KRF-V5060D	Y	X08-3180-21	X09-6622-91	X14-7480-21	KRF-V5060D	Y	X08-3160-21	X09-6602-91	X14-7470-21
KRF-V5060D-S	M	X08-3180-21	X09-6620-21	X14-7480-21	KRF-V5060D-S	M	X08-3160-21	X09-6600-21	X14-7470-21
KRF-V5060D-S	X	X08-3180-10	X09-6620-71	X14-7480-71	KRF-V5060D-S	X	X08-3160-10	X09-6600-71	X14-7470-71
KRF-V5060D	E	X08-3180-10	X09-6622-71	X14-7482-71	KRF-V5060D	E	X08-3160-10	X09-6602-71	X14-7472-71
KRF-V5060D	T	X08-3180-10	X09-6620-51	X14-7482-71	KRF-V5060D	T	X08-3160-10	X09-6600-51	X14-7472-71
KRF-V5060DE	E1	X08-3180-10	X09-6622-71	X14-7482-71	KRF-V5060DE	E1	X08-3160-10	X09-6602-71	X14-7472-71
KRF-V5060D-S	E3	X08-3180-10	X09-6622-71	X14-7482-71	KRF-V5060D-S	E3	X08-3160-10	X09-6602-71	X14-7472-71
KRF-V5060D-S	T1	X08-3180-10	X09-6620-51	X14-7482-71	KRF-V5060D-S	T1	X08-3160-10	X09-6600-51	X14-7472-71
VR-615	K	X08-3180-10	X09-6630-10	X14-7480-11	VR-615	K	X08-3160-10	X09-6610-10	X14-7470-11
VR-615	P	X08-3180-10	X09-6630-10	X14-7480-11	VR-615	P	X08-3160-10	X09-6610-10	X14-7470-11
KRF-V5560D	Y	X08-3180-21	X09-6632-91	X14-7480-22	KRF-V5560D	Y	X08-3160-21	X09-6612-91	X14-7470-22
KRF-V5560D-S	M	X08-3180-21	X09-6630-21	X14-7480-22	KRF-V5560D-S	M	X08-3160-21	X09-6610-21	X14-7470-22
KRF-V5560D-S	X	X08-3180-10	X09-6630-71	X14-7480-72	KRF-V5560D-S	X	X08-3160-10	X09-6610-71	X14-7470-72
KRF-V5560D	E	X08-3180-10	X09-6632-71	X14-7482-72	KRF-V5560D	E	X08-3160-10	X09-6612-71	X14-7472-72
KRF-V5560D-S	E3	X08-3180-10	X09-6632-71	X14-7482-72	KRF-V5560D-S	E3	X08-3160-10	X09-6612-71	X14-7472-72
KRF-V5560D-S	T1	X08-3180-10	X09-6630-51	X14-7482-72	KRF-V5560D-S	T1	X08-3160-10	X09-6610-51	X14-7472-72
KRF-V5560D-S	H	X08-3180-10	X09-6634-11	X14-7482-72	KRF-V5560D-S	H	X08-3160-10	X09-6614-11	X14-7472-72

HOW TO READ THE PARTS LIST

ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

MODEL	ABB.	Australia	Canada	China	England	Europe	Germany	Korea	Malaysia
KRF-V4060D	4	-	-	-	T	E	-	-	-
KRF-V4060DE	4	-	-	-	-	E1	-	-	-
KRF-V4060DE-S	4	-	-	-	-	E2	-	-	-
KRF-V4060D-S	4	X	-	-	T1	E3	-	-	-
KRF-V5060D	5	-	-	-	T	E	-	-	-
KRF-V5060DE	5	-	-	-	-	E1	-	-	-
KRF-V5060D-S	5	X	-	-	T1	E3	-	-	-
VR-605	5	-	P	-	-	-	-	-	-
KRF-V5560D	6	-	-	-	-	E	-	-	-
KRF-V5560D-S	6	X	-	-	T1	E3	-	H	-
VR-615	6	-	P	-	-	-	-	-	-
MODEL	ABB.	Mexico	PX/AAFES	Russia	Scandinavia	Shanghai	USA	Other area	
KRF-V4060D	4	-	-	-	-	-	-	-	
KRF-V4060DE	4	-	-	-	-	-	-	-	
KRF-V4060DE-S	4	-	-	-	-	-	-	-	
KRF-V4060D-S	4	-	-	-	-	-	-	M	
KRF-V5060D	5	-	Y	-	-	-	-	-	
KRF-V5060DE	5	-	-	-	-	-	-	-	
KRF-V5060D-S	5	-	-	-	-	-	-	M	
VR-605	5	-	-	-	-	-	K	-	
KRF-V5560D	6	-	Y	-	-	-	-	-	
KRF-V5560D-S	6	-	-	-	-	-	-	M	
VR-615	6	-	-	-	-	-	K	-	

KRF-V4060D/V5060D/V5560D/VR-605/615

SPECIFICATIONS

For the U.S.A and Canada **AUDIO section (VR-605/615)**

Rated power output during STEREO operation

100 watts per channel minimum RMS, both channels driven, at 8 Ω from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion. (FTC)

Effective power output during SURROUND operation	
FRONT (40 ~ 20 kHz, 0.7% T.H.D. at 8 Ω one channel driven)	100 W + 100 W
CENTER (40 ~ 20 kHz, 0.7% T.H.D. at 8 Ω one channel driven)	100 W
SURROUND (40 ~ 20 kHz, 0.7% T.H.D. at 8 Ω one channel driven)	100 W + 100 W
SUBWOOFER (80 Hz, 0.7% T.H.D. at 8 Ω one channel driven) (VR-615)	100 W
Total harmonic distortion	0.05% (1 kHz, 50 W, 8 Ω)
Frequency response	CD 20 Hz ~ 70 kHz, +0 dB, -3.0 dB
Signal to noise ratio (IHF'66)	CD 95 dB
Input sensitivity / impedance	CD 550 mV / 47 k Ω DVD/6CH INPUT (VR-615) 550 mV / 47 k Ω
Output level / impedance	TAPE REC 550 mV / 1 k Ω PRE OUT (SUBWOOFER) (VR-605) 1.5 V / 2.2 k Ω
Tone control	BASS ± 10 dB (at 100 Hz) TREBLE ± 10 dB (at 10 kHz)
Loudness control	VOLUME at -30dB level +8 dB (at 100 Hz)

For other countries **AUDIO section (KRF-V5060D/V5560D)**

Rated power output during STEREO operation

100 watts per channel minimum RMS, both channels driven, at 8 Ω from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion. (FTC)

Effective power output during SURROUND operation	
FRONT (1 kHz, 0.7% T.H.D. at 8 Ω one channel driven)	100 W + 100 W
CENTER (1 kHz, 0.7% T.H.D. at 8 Ω one channel driven)	100 W
SURROUND (1 kHz, 0.7% T.H.D. at 8 Ω one channel driven)	100 W + 100 W
SUBWOOFER (80 Hz, 0.7% T.H.D. at 8 Ω one channel driven) (KRF-V5560D)	100 W
Total harmonic distortion	0.05% (1 kHz, 50 W, 8 Ω)
Frequency response	CD 20 Hz ~ 70 kHz, +0 dB, -3.0 dB
Signal to noise ratio (IHF'66)	CD, TUNER, AUX, TAPE 95 dB
Input sensitivity / impedance	CD 550 mV / 47 k Ω DVD/6CH INPUT (KRF-V5060D) 550 mV / 10 k Ω
Output level / impedance	TAPE REC 550 mV / 1 k Ω PRE OUT (SUBWOOFER) (KRF-V5060D) 1.5 V / 2.2 k Ω
Tone control	BASS ± 10 dB (at 100 Hz) TREBLE ± 10 dB (at 10 kHz)
Loudness control	VOLUME at -30dB level +8 dB (at 100 Hz)

AUDIO section (KRF-V4060D)

Effective power output during STEREO operation
1 kHz, 0.7% T.H.D., at 8 Ω 50 W + 50 W
Rated power output during STEREO operation

40 watts per channel minimum RMS, both channels driven, at 8 Ω from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion. (FTC)

Effective power output during SURROUND operation	
FRONT (1 kHz, 0.7% T.H.D. at 8 Ω one channel driven)	50 W + 50 W
CENTER (1 kHz, 0.7% T.H.D. at 8 Ω one channel driven)	50 W

SURROUND (1 kHz, 0.7% T.H.D. at 8 Ω one channel driven)	
.....	50 W + 50 W
Total harmonic distortion	0.15% (1 kHz, 20 W, 8 Ω)
Frequency response	CD 20 Hz ~ 70 kHz, +0 dB, -3.0 dB
Signal to noise ratio (IHF'66)	CD, TUNER, AUX, TAPE 95 dB
Input sensitivity / impedance	CD 400 mV / 47 k Ω
Output level / impedance	TAPE REC 400 mV / 1 k Ω PRE OUT (SUBWOOFER) 1.5 V / 2.2 k Ω
Tone control	BASS ± 10 dB (at 70 Hz) TREBLE ± 10 dB (at 10 kHz)
Loudness control	VOLUME at -30dB level +8 dB (at 100 Hz)

DIGITAL AUDIO section

Sampling frequency	32 kHz, 44.1 kHz, 48 kHz, 96 kHz
Input level / impedance / wave length	Optical (-15 dBm ~ -21 dBm), 660 nm ± 30 nm Coaxial 0.5 Vp-p / 75 Ω

VIDEO section

VIDEO inputs / outputs	VIDEO (composite) 1 Vp-p / 75 Ω
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FM tuner section

Tuning frequency range	87.5 MHz ~ 108.0 MHz
Usable sensitivity (MONO)	VR-605/615 1.3 μ V (75 Ω) / 13.2 dBf (75 kHz DEV., SINAD 30 dB) KRF-V5060D/V4060D/V5560D 1.6 μ V (75 Ω) / 15.2 dBf (75 kHz DEV., SINAD 30 dB)
50dB quieting sensitivity	STEREO 28 μ V (75 Ω) / 40.2 dBf
Total harmonic distortion (1 kHz)	MONO 0.5% (71.2 dBf input) STEREO 0.7% (71.2 dBf input)
Signal to noise ratio (1 kHz, 75 kHz DEV.)	MONO 75 dB (71.2 dBf input) STEREO 68 dB (71.2 dBf input)
Stereo separation (1 kHz)	40 dB
Selectivity (± 400 kHz) VR-605/615	70 dB
KRF-V5060D/V4060D/V5560D	50 dB
Frequency response	(30 Hz ~ 15kHz), +0.5 dB, -3.0 dB

AM tuner section

Tuning frequency range	10 kHz step (VR-605/615) 530 kHz ~ 1,700 kHz 10 kHz step (KRF-V5060D/V4060D/V5560D) 530 kHz ~ 1,610 kHz 9 kHz step (KRF-V5060D/V4060D/V5560D) 531 kHz ~ 1,602 kHz
Usable sensitivity (30% mod., S/N 20dB) (VR-606/615)	16 μ V / (600 μ V/m)
Usable sensitivity (KRF-V5060D/V5560D/V4060D)	16 μ V / (600 μ V/m)
Signal to noise ratio (30% mod. 1 mV input)	50 dB

GENERAL

Power consumption	VR-605/615 2.2 A KRF-V5060D/V5560D 280W KRF-V4060D 200W
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AC outlet	SWITCHED
VR-605/615	(total 150 W, 1.25 A max.)
KRF-V5060D/V4060D/V5560D	(total 90 W max.)
Dimensions	W : 440 mm (17-5/16") H : 143 mm (5-5/8") D : 303 mm (11-15/16")

Weight (Net)	VR-605/615 7.7 kg (17.00 lb) KRF-V5060D/V5560D 8.8 kg (19.40 lb) KRF-V4060D 7.9 kg (17.41 lb)
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KRF-V4060D/V5060D/V5560D/VR-605/615

SPECIFICATIONS

For the U.K and Europe

AUDIO section (KRF-V5060D)

Rated power output during STEREO operation DIN/IEC (63 Hz ~ 12.5 kHz, 0.7% T.H.D., at 6Ω)	100 W + 100 W
Effective power output during SURROUND operation FRONT (1 kHz, 0.7% T.H.D. at 6Ω one channel driven)	100 W + 100 W
CENTER (1 kHz, 0.7% T.H.D. at 6Ω one channel driven)	100 W
SURROUND (1 kHz, 0.7% T.H.D. at 6Ω one channel driven)	100 W + 100 W
Total harmonic distortion	0.05% (1kHz, 50 W, 6Ω)
Frequency response (IHF'66) CD	20 Hz ~ 70 kHz, +0 dB, -3.0 dB
Signal to noise ratio (IHF'66) PHONO (MM)	74 dB
CD	95 dB
Input sensitivity / impedance PHONO (MM)	6.0 mV / 27 kΩ
CD	500 mV / 47 kΩ
DVD/6CH INPUT	500 mV / 47 kΩ
Output level / impedance TAPE REC	500 mV / 1 kΩ
PRE OUT (SUBWOOFER)	1.5 V / 2.2 kΩ
Tone control BASS	±10 dB (at 100 Hz)
TREBLE	±10 dB (at 10 kHz)
Loudness control VOLUME at -30dB level	+8 dB (at 100 Hz)

AUDIO section (KRF-V4060D)

Rated power output during STEREO operation (DIN 1 kHz 0.7% T.H.D., at 6Ω)	50 W + 50 W
Effective power output during SURROUND operation FRONT (1 kHz, 0.7% T.H.D. at 6Ω one channel driven)	50 W + 50 W
CENTER (1 kHz, 0.7% T.H.D. at 6Ω one channel driven)	50 W
SURROUND (1 kHz, 0.7% T.H.D. at 6Ω one channel driven)	50 W + 50 W
Total harmonic distortion	0.15% (1 kHz, 20 W, 6Ω)
Frequency response (IHF'66) CD	20 Hz ~ 70 kHz, +0 dB, -3.0 dB
Signal to noise ratio (IHF'66) CD	95 dB
Input sensitivity / impedance CD	400 mV / 47 kΩ
Output level / impedance TAPE REC	400 mV / 1 kΩ
PRE OUT (SUBWOOFER)	1.5 V / 2.2 kΩ

Notes

1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without no tice.
2. The full performance may not be exhibited in an extremely cold location (under a water-freezing temperature).

Tone control BASS	±10 dB (at 100 Hz)
TREBLE	±10 dB (at 10 kHz)
Loudness control VOLUME at -30dB level	+8 dB (at 100 Hz)

DIGITAL AUDIO section

Sampling frequency	32 kHz, 44.1 kHz, 48 kHz, 96kHz
Input level / impedance / wave length Optical	(-15 dBm ~ -21 dBm), 660 nm ±30nm
Coaxial	0.5 Vp-p / 75 Ω

VIDEO section

VIDEO inputs / outputs VIDEO (composite)	1 Vp-p / 75 Ω
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FM tuner section

Tuning frequency range	87.5 MHz ~ 108.0 MHz
Usable sensitivity (DIN at 75 Ω) MONO	1.3 μV / 13.2 dBf (40 kHz DEV., S/N 26 dB)
STEREO	45 μV / 42.1 dBf (46 kHz DEV., S/N 46 dB)
Total harmonic distortion (1 kHz) MONO	0.2% (71.2 dBf input)
STEREO	0.8% (71.2 dBf input)
Signal to noise ratio (DIN weighted) MONO	65 dB (40 kHz DEV. 71.2 dBf input)
STEREO	60 dB (46 kHz DEV. 71.2 dBf input)
Stereo separation (DIN 1 kHz)	36 dB
Selectivity (DIN ±300 kHz)	64 dB
Frequency response	(30 Hz ~ 15 kHz), +0.5 dB, -3.0 dB

AM tuner section

Tuning frequency range	531 kHz ~ 1,602 kHz
Usable sensitivity	16 μV / (600 μV/m)
Signal to noise ratio (30% mod. 1 mV input)	50 dB

GENERAL

Power consumption KRF-V5060D	280W
KRF-V4060D	200W
AC outlet SWITCHED	(total 90 W max.)
Dimensions	W : 440 mm H : 143 mm D : 303 mm
Weight (Net)	7.8 kg

KENWOOD CORPORATION

14-6,Dogenzaka 1-chome, Shibuya-ku, Tokyo, 150-8501 Japan

KENWOOD SERVICE CORPORATION

P.O BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745, U.S.A.

KENWOOD ELECTRONICS CANADA INC.

6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

KENWOOD ELECTRONICS LATIN AMERICA S.A.

P.O BOX 55-2791, Piso 6 plaza Chase, Cl.47 y Aquilino de la Guardia Panama, Republic de Panama

KENWOOD ELECTRONICS BRASIL LTDA.

Alameda Ministro Rocha Azevedo No. 456, Edifício Jaú, 10o Andar, Cerqueira César, Cep 0140-001, São Paulo-SP-Brasil

KENWOOD ELECTRONICS U.K. LIMITED

KENWOOD House, Dwight Road, Watford, Herts., WD1 8EB., United Kingdom

KENWOOD ELECTRONICS BELGIUM N.V.

Leuvensesteenweg 248 J, 1800 Vilvoorde, Belgium

KENWOOD ELECTRONICS DEUTSCHLAND GMBH

Rembrücker Str. 15, 63150 Heusenstamm, Germany

KENWOOD ELECTRONICS FRANCE S.A.

13 Boulevard Ney, 75018 Paris, France

KENWOOD ELECTRONICS ITALIA S.p.A.

Via G. Sirtori, 7/9 20129, Milano, Italy

KENWOOD IBÉRICA S.A.

Bolivia, 239-08020 Barcelona, Spain

KENWOOD ELECTRONICS AUSTRALIA PTY. LTD.

(A.C.N. 001 499 074)
16 Giffnock Avenue, North Ryde, N.S.W. 2113, Australia

KENWOOD ELECTRONICS (HONG KONG) LTD.

Unit 3712-3724, Level 37, Tower 1, Metroplaza, 223 Hing Fong Road, Kwai Fong N.T., Hong Kong

KENWOOD ELECTRONICS GULF FZE

P.O.Box 61318, Jebel Ali, Dubai, U.A.E.

KENWOOD ELECTRONICS SINGAPORE PTE LTD.

No. 1 Genting Lane #02-02, KENWOOD Building, Singapore, 349544

KENWOOD ELECTRONICS (MALAYSIA) SDN BHD.

#4.01 Level 4, Wisma Academy Lot 4A, Jalan 19/1 46300 Petaling Jaya Selangor Darul Ehsan Malaysia

KENWOOD ELECTRONICS (THAILAND) CO., LTD.

2019 New Pechburi Road, Bangkok, Huaykwang, Bangkok, 10320 Thailand